

1
The first part of the paper is devoted to a discussion of the
theoretical aspects of the problem. It is shown that the
problem is well-posed and that the solution is unique.

In the second part of the paper, the numerical method is described.
It is shown that the method is stable and that the error is of
order $O(h^2)$.

The third part of the paper is devoted to a discussion of the
results of the numerical experiments. It is shown that the method
is accurate and that the error is of order $O(h^2)$.

In the fourth part of the paper, the conclusions are drawn.
It is shown that the method is stable and that the error is of
order $O(h^2)$.

The fifth part of the paper is devoted to a discussion of the
results of the numerical experiments. It is shown that the method
is accurate and that the error is of order $O(h^2)$.

In the sixth part of the paper, the conclusions are drawn.
It is shown that the method is stable and that the error is of
order $O(h^2)$.

The seventh part of the paper is devoted to a discussion of the
results of the numerical experiments. It is shown that the method
is accurate and that the error is of order $O(h^2)$.

In the eighth part of the paper, the conclusions are drawn.
It is shown that the method is stable and that the error is of
order $O(h^2)$.

Federal Register

**Friday
March 31, 1989**

Part II

Environmental Protection Agency

40 CFR Part 300

**National Priorities List for Uncontrolled
Hazardous Waste Sites—Final Update #5;
Final Rule**

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 300

[FRL-3546-3]

National Priorities List for Uncontrolled Hazardous Waste Sites—Final Update No. 5

AGENCY: Environmental Protection Agency.

ACTION: Final Rule.

SUMMARY: The Environmental Protection Agency ("EPA") is amending the National Oil and Hazardous Substances Contingency Plan ("NCP"), 40 CFR Part 300, which was promulgated on July 16, 1982, pursuant to section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA") (amended by the Superfund Amendments and Reauthorization Act of 1986 ("SARA")) and Executive Order 12580 (52 FR 2923, January 29, 1987). CERCLA requires that the NCP include a list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States, and that the list be revised at least annually. The National Priorities List ("NPL"), initially promulgated as Appendix B of the NCP on September 8, 1983 (48 FR 40658), constitutes this list and is being revised today by the addition of 93 sites. EPA has reviewed public comments on the listing of 29 of these sites and has decided that they meet the listing requirements of the NPL. No comments were received on the remaining 64 sites. In addition, today's action removes four sites from the proposed NPL. Information supporting these actions is contained in the Superfund Public Dockets.

This rule results in a final NPL of 890 sites, 41 of them in the Federal section; 273 sites are proposed to the NPL, 22 of them of them in the Federal section. Final and proposed sites now total 1,163.

EFFECTIVE DATE: The effective date for this amendment to the NCP shall be May 1, 1989. CERCLA section 305 provides for a legislative veto of regulations promulgated under CERCLA. Although *INS v. Chadha*, 462 U.S. 919, 103 S. Ct. 2764 (1983), cast the validity of the legislative veto into question, EPA has transmitted a copy of this regulation to the Secretary of the Senate and the Clerk of the House of Representatives. If any action by Congress calls the effective date of this regulation into question, the Agency will publish notice of clarification in the Federal Register.

ADDRESSES: Addresses for the Headquarters and Regional dockets follow: For further details on what these dockets contain, see Section I of the "SUPPLEMENTARY INFORMATION" portion of this preamble.

Tina Maragousis, Headquarters, U.S. EPA CERCLA Docket Office, Waterside Mall, 401 M Street, SW., Washington, DC 20460, 202/382-3046.

Evo Cunha, Region 1, U.S. EPA Waste Management Records Center, HES-CAN 6, J.F. Kennedy Federal Building, Boston, MA 02203, 617/565-3300

U.S. EPA, Region 2, Document Control Center, Superfund Docket, 26 Federal Plaza, 7th Floor, Room 740, New York, NY 10278, Latchmin Serrano, 212/264-5540, Ophelia Brown, 212/264-1154

Diane McCreary, Region 3, U.S. EPA Library, 5th Floor, 841 Chestnut Building, 9th & Chestnut Streets, Philadelphia, PA 19107, 215/597-0580

Gayle Alston, Region 4, U.S. EPA Library, Room C-6, 345 Courtland Street NE., Atlanta, GA 30365, 404/347-4216

Cathy Freeman, Region 5, U.S. EPA, 5 HS-12, 230 South Dearborn Street, Chicago, IL 60604, 312/886-6214

Deborah Vaughn-Wright, Region 6, U.S. EPA, 1445 Ross Avenue, Mail Code 6H-MA, Dallas, TX 75202-2733, 214/655-6740

Connie McKenzie, Region 7, U.S. EPA Library, 726 Minnesota Avenue, Kansas City, KS 66101, 913/236-2828

Dolores Eddy, Region 8, U.S. EPA Library, 999 18th Street, Suite 500, Denver, CO 80202-2405, 303/293-1444

Linda Sunnen, Region 9, U.S. EPA Library, 6th Floor, 215 Fremont Street, San Francisco, CA 94105, 415/974-8082

David Bennett, Region 10, U.S. EPA, 9th Floor, 1200 6th Avenue, Mail Stop HW-093, Seattle, WA 98101, 206/442-2103.

FOR FURTHER INFORMATION CONTACT: Robert Myers, Hazardous Site Evaluation Division, Office of Emergency and Remedial Response (OS-230), U.S. Environmental Protection Agency, 401 M Street SW., Washington, DC, 20460, or the Superfund Hotline, Phone (800) 424-9346 (382-3000 in the Washington, DC, metropolitan area).

SUPPLEMENTARY INFORMATION:

Table of Contents

- I. Introduction
- II. Purpose and Implementation of the NPL
- III. NPL Update Process
- IV. Statutory Requirements and Listing Policies
- V. Disposition of Sites in Today's Final Rule
- VI. Disposition of All Proposed Sites/Federal Facility Sites
- VII. Contents of the NPL
- VIII. Regulatory Impact Analysis
- IX. Regulatory Flexibility Act Analysis

I. Introduction

Background

In 1980, Congress enacted the Comprehensive Environmental Response, Compensation, and Liability

Act, 42 U.S.C. sections 9601-9657 ("CERCLA" or the "Act"), in response to the dangers of uncontrolled or abandoned hazardous waste sites. CERCLA was amended in 1986 by the Superfund Amendments and Reauthorization Act ("SARA"), Public Law No. 99-499, stat. 1613 *et seq.* To implement CERCLA, the Environmental Protection Agency ("EPA" or "the Agency") promulgated the revised National Oil and Hazardous Substances Contingency Plan ("NCP"), 40 CFR Part 300, on July 16, 1982 (47 FR 31180) pursuant to CERCLA section 105 and Executive Order 12316 (46 FR 42237, August 20, 1981). The NCP, further revised by EPA on September 16, 1985 (50 FR 37624) and November 20, 1985 (50 FR 47912), sets forth guidelines and procedures needed to respond under CERCLA to releases and threatened releases of hazardous substances, pollutants, or contaminants. On December 21, 1988 (53 FR 51394), EPA proposed revisions to the NCP in response to SARA.

Section 105(a)(8)(A) of CERCLA, as amended by SARA, requires that the NCP include criteria for determining priorities among releases or threatened releases throughout the United States for the purpose of taking remedial action and, to the extent practicable, take into account the potential urgency of such action for the purpose of taking removal action. Removal action involves cleanup or other actions that are taken in response to releases or threats of releases on a short-term or temporary basis (CERCLA section 101(23)). Remedial action tends to be long-term in nature and involves response actions which are consistent with a permanent remedy for a release (CERCLA section 101(24)). Criteria for determining priorities for possible remedial actions financed by the Trust Fund established under CERCLA are included in the Hazard Ranking System ("HRS"), which EPA promulgated as Appendix A of the NCP (47 FR 31219, July 16, 1982). On December 23, 1988 (53 FR 51962), EPA proposed revisions to the HRS.

Section 105(a)(8)(B) of CERCLA, as amended by SARA, requires that the statutory criteria provided by the HRS be used to prepare a list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States. The list, which is Appendix B of the NCP, is the National Priorities List ("NPL"). Section 105(a)(8)(B) also requires that the NPL be revised at least annually. A site can undergo CERCLA-financed remedial action only after it is placed on the NPL.

as provided in the NCP at 40 CFR 300.66(c)(2) and 300.68(a).

An original NPL of 406 sites was promulgated on September 8, 1983 (48 FR 40658). The NPL has since been expanded, most recently on July 22, 1987 (52 FR 27620) and, exclusively for Federal facility sites, on March 13, 1989 (54 FR 10512). The Agency has also published a number of proposed rulemakings to add sites to the NPL, most recently on June 24, 1988 (53 FR 23988).

EPA may delete sites from the NPL when no further response is appropriate, as provided in the NCP at 40 CFR 300.66(c)(7). To date, the Agency has deleted 26 sites from the NPL, two since March 13, 1989 (54 FR 10513):

- March 17, 1989 (54 FR 11203)
—New Castle Steel, New Castle County, Delaware
- March 23, 1989 (54 FR 11949)
—Wade (ABM), Chester, Pennsylvania

This rule adds 93 sites to the NPL. EPA has carefully considered public comments submitted for 29 of the sites in today's final rule and made some modifications in response to those comments. No comments were received on the remaining 64 sites. This rule results in a final NPL of 890 sites, 41 of them in the Federal section; 273 sites are in proposed status, 22 of them in the Federal section. In addition, four sites are being dropped from the proposed NPL. With these changes, final and proposed sites now total 1,163.

EPA includes on the NPL sites at which there are or have been releases or threatened releases of hazardous substances, pollutants, or contaminants. The discussion below may refer to "releases or threatened releases" simply as "releases", "facilities", or "sites".

Information Available to the Public

The Headquarters and Regional public dockets for the NPL (see ADDRESSES portion of this notice) contain documents relating to the scoring of sites in this final rule. The dockets are available for viewing "by appointment only" after the appearance of this notice. The hours of operation for the Headquarters docket are from 9:00 a.m. to 4:00 p.m., Monday through Friday excluding Federal holidays. Please contact individual Regional dockets for hours.

The Headquarters docket contains HRS score sheets for each final site, a Documentation Record for each site describing the information used to compute the score, pertinent information for any site affected by special study waste or other requirements or Resource Conservation and Recovery Act or other

listing policies, a list of documents referenced in the Documentation Record, comments received, and the Agency's response to those comments. The Agency's responses are contained in the "Support Document for the Revised National Priorities List—Final Rule, Update #5."

Each Regional docket includes all information available in the Headquarters docket for sites in that Region, as well as the actual reference documents, which contain the data EPA relied upon in calculating or evaluating the HRS scores for sites in the Region. These reference documents are available only in the Regional dockets. They may be viewed "by appointment only" in the appropriate Regional Docket or Superfund Branch office. Requests for copies may be directed to the appropriate Regional docket or Superfund Branch.

An informal written request, rather than a formal request, should be the ordinary procedure for obtaining copies of any of these documents.

EPA has published a statement describing what background information (resulting from the initial investigation of potential CERCLA sites) the Agency discloses in response to Freedom of Information Act requests (52 FR 5578, February 25, 1987).

II. Purpose and Implementation of the NPL

Purpose

The primary purpose of the NPL is stated in the legislative history of CERCLA (Report of the Committee on Environment and Public Works, Senate Report No. 96-848, 96th Cong., 2d Sess. 60 (1980)):

The priority lists serve primarily informational purposes, identifying for the States and the public those facilities and sites or other releases which appear to warrant remedial actions. Inclusion of a facility or site on the list does not in itself reflect a judgment of the activities of its owner or operator, it does not require those persons to undertake any action, nor does it assign liability to any person. Subsequent government action in the form of remedial actions or enforcement actions will be necessary in order to do so, and these actions will be attended by all appropriate procedural safeguards.

The purpose of the NPL, therefore, is primarily to serve as an informational and management tool. The initial identification of a site for the NPL is intended primarily to guide EPA in determining which sites warrant further investigation to assess the nature and extent of the public health and environmental risks associated with the site and to determine what CERCLA-financed remedial action(s), if any, may

be appropriate. The NPL also serves to notify the public of sites EPA believes warrant further investigation.

Federal facility sites are eligible for the NPL pursuant to the NCP at 40 CFR 300.66(c)(2). However, section 111(e)(3) of CERCLA, as amended by SARA, limits the expenditure of CERCLA monies at Federally-owned facilities. Federal facility sites are also subject to the requirements of CERCLA section 120, added by SARA.

Implementation

A site can undergo remedial action financed by the Trust Fund established under CERCLA only after it is placed on the final NPL as outlined in the NCP at 40 CFR 300.66(c)(2) and 300.68(a). However, EPA may take enforcement actions under CERCLA or other applicable statutes against responsible parties regardless of whether the site is on the NPL, although, as a practical matter, the focus of EPA's enforcement actions has been and will continue to be on NPL sites. Similarly, in the case of removal actions, EPA has the authority to act at any site, whether listed or not, that meets the criteria of the NCP at 40 CFR 300.65-67.

EPA's policy is to pursue cleanup of NPL sites using the appropriate response and/or enforcement actions available to the Agency, including authorities other than CERCLA. Listing a site will serve as notice to any potentially responsible party that the Agency may initiate CERCLA-financed remedial action. The Agency will decide on a site-by-site basis whether to take enforcement or other action under CERCLA or other authorities, proceed directly with CERCLA-financed response actions and seek to recover response costs after cleanup, or do both. To the extent feasible, once sites are on the NPL, EPA will determine high-priority candidates for Superfund-financed response action and/or enforcement action through both State and Federal initiatives. These determinations will take into account which approach is more likely to most expeditiously accomplish cleanup of the site while using CERCLA's limited resources as efficiently as possible.

Remedial response actions will not necessarily be funded in the same order as a site's ranking on the NPL—that is, its HRS score. The information collected to develop HRS scores is not sufficient in itself to determine either the extent of contamination or the appropriate response for a particular site. EPA relies on further, more detailed studies in the remedial investigation/feasibility study (RI/FS) to address these concerns.

The RI/FS determines the type and extent of contamination. It also takes into account the amount of contaminants in the environment, the risk to affected populations and environment, the cost to correct problems at the site, and the response actions that have been taken by potentially responsible parties or others. Decisions on the type and extent of action to be taken at these sites are made in accordance with the criteria contained in Subpart F of the NCP. After conducting these additional studies, EPA may conclude that it is not desirable to initiate a CERCLA remedial action at some sites on the NPL because of more pressing needs at other sites, or because a private party cleanup is already underway pursuant to an enforcement action. Given the limited resources available in the Trust Fund, the Agency must carefully balance the relative needs for response at the numerous sites it has studied. It is also possible that EPA will conclude after further analysis that the site does not warrant remedial action.

Revisions to the NPL such as today's rulemaking may move some previously listed sites to a lower position on the NPL. However, if EPA has initiated action such as an RI/FS at a site, it does not intend to cease such actions to determine if a subsequently listed site should have a higher priority for funding. Rather, the Agency will continue funding site studies and remedial actions once they have been initiated, even if higher-scoring sites are later added to the NPL.

RI/FS at Proposed Sites. An RI/FS can be performed at proposed sites (or even non-NPL sites) pursuant to the Agency's removal authority under CERCLA, as outlined in the NCP at 40 CFR 300.68(a)(1). (Section 101(23) of CERCLA defines "remove" or "removal" to include "such actions as may be necessary to monitor, assess and evaluate the release or threat of release. * * * The definition of "removal" also includes "action taken under Section 104(b) of this Act * * *," which authorizes the Agency to perform studies, investigations, and other information-gathering activities.)

Although an RI/FS is generally conducted at a site after the site has been placed on the NPL, in a number of circumstances the Agency elects to conduct an RI/FS at a proposed NPL site in preparation for a possible CERCLA-financed remedial action, such as when the Agency believes that a delay may create unnecessary risks to human health or the environment. In addition, the Agency may conduct an RI/FS to

assist in determining whether to conduct a removal or enforcement action at a site.

Facility (Site) Boundaries. A "facility" is defined under CERCLA section 101(9) and the NCP at 40 CFR 300.6 as "(A) any building, structure, * * * well, pit, pond, or (B) any site or area where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located." (The term "site" is frequently used interchangeably with facility.) The "come to be located" language implements the broad remedial purposes of CERCLA, giving EPA authority to clean up contamination when it has spread from the original source. In *U.S. v. Bliss*, 667 F. Supp. 1298, 1305 (E.D. Mo. 1987), the courts have affirmed this interpretation:

As the Special Master noted succinctly in *United States v. Conservation Chemical Co.*, 619 F. Supp. [162,] at 185 [(W.D. Mo. 1985)], "simply put, the term 'facility' includes any place where hazardous substances come to be located." Thus, to show that an area is a 'facility', the plaintiff need only show that a hazardous substance has been placed there or has "otherwise come to be located" there.

The extent of the contamination, and thus the "facility", is first described when a release or threatened release is scored using the HRS. However, HRS scoring and the subsequent listing of a release merely represent the initial determination that a certain area may need to be addressed under CERCLA. Accordingly, EPA contemplates that the preliminary description of facility boundaries at the time of scoring will need to be refined and improved as more information is developed as to where the contamination has come to be located; this refining step generally comes during the RI/FS stage. As the NCP provides at 40 CFR 300.68(d):

An RI/FS shall . . . determine the nature and extent of the threat presented by the release and . . . evaluate proposed remedies. This includes . . . the gathering of sufficient information to determine the necessity for and proposed extent of remedial action.

The preliminary description of a facility when it is listed does not preclude the Agency, during the RI/FS, from following the contamination as far as it goes, and then considering the facility, for response purposes, as the entire area where hazardous substances have come to be located, even if that area extends beyond the boundary for which the site was named.

III. NPL Update Process

Placing Sites on the NPL

There are three mechanisms for placing sites on the NPL. The principal

mechanism is the application of the HRS. The HRS serves as a screening device to evaluate the relative potential of uncontrolled hazardous substances to cause human health or safety problems, or ecological or environmental damage. The HRS score is calculated by estimating risks presented in three potential "pathways" of human or environmental exposure: ground water, surface water, and air. Within each pathway of exposure, the HRS considers three categories of factors "that are designed to encompass most aspects of the likelihood of exposure to a hazardous substance through a release and the magnitude or degree of harm from such exposure": (1) Factors that indicate the presence or likelihood of a release to the environment; (2) factors that indicate the nature and quantity of the substances presenting the potential threat; and (3) factors that indicate the human or environmental "targets" potentially at risk from the site. Factors within each of these three categories are assigned a numerical value according to a set scale. Once numerical values are computed for each factor, the HRS uses mathematical formulas that reflect the relative importance and interrelationships of the various factors to arrive at a final site score on a scale of 0 to 100. The resultant HRS score represents an estimate of the relative "probability and magnitude of harm to the human population or sensitive environment from exposure to hazardous substances as a result of the contamination of ground water, surface water, or air" [47 FR 31180, July 16, 1982]. Those sites that score 28.50 or greater on the HRS are eligible for the NPL.

Under the second mechanism for adding sites to the NPL, each State may designate a single site as its top priority, regardless of the HRS score. This mechanism is provided by section 105(a)(8)(B) of CERCLA, as amended by SARA, which requires that, to the extent practicable, the NPL include within the 100 highest priorities, one facility designated by each State representing the greatest danger to public health, welfare, or the environment among known facilities in the State.

The third mechanism for listing, included in the NCP at 40 CFR 300.66(b)(4) (50 FR 37624, September 16, 1985), has been used only in rare instances. It allows certain sites with HRS scores below 28.50 to be eligible for the NPL if all of the following occur:

- The Agency for Toxic Substances and Disease Registry of the U.S. Department of Health and Human Services has issued a health advisory

which recommends dissociation of individuals from the release.

- EPA determines that the release poses a significant threat to public health.

- EPA anticipates that it will be more cost-effective to use its remedial authority than to use its removal authority to respond to the release.

States have the primary responsibility for identifying sites, computing HRS scores, and submitting candidate sites to the EPA Regional Offices. EPA Regional Offices conduct a quality control review of the States' candidate sites, and may assist in investigating, sampling, monitoring, and scoring sites. Regional Office may also consider candidate sites in addition to those submitted by States. EPA Headquarters conducts further quality assurance audits to ensure accuracy and consistency among the various EPA and State offices participating in the scoring. The Agency then proposes the sites that meet one of the three criteria for listing (and EPA's listing policies) and solicits public comment on the proposal. Based on these comments and further review by EPA, the Agency determines final HRS scores and places those sites that still qualify for the final NPL.

Revised HRS Effective Date

EPA recently proposed revisions to the HRS in response to CERCLA section 105(c), added by SARA (53 FR 51926 (December 23, 1988); 54 FR 6153 (February 8, 1989)). Several commenters have questioned EPA's authority to include sites on the NPL after October 17, 1988 (the date 24 months after the enactment of SARA), because CERCLA section 105(c)(1), as amended, provides that EPA should revise the HRS by that date. The commenters argue that the October 17, 1988, date is the effective date for all purposes of section 105(c)(1), and that the Agency cannot use the current HRS after that date to add sites to the NPL. Under the commenters' view, the Agency may not resume the listing of sites until the HRS revisions are issued and made effective. EPA disagrees with this interpretation.

First, the language of CERCLA section 105(c)(1) provides that the current HRS shall continue in force until the new HRS becomes effective:

Such amended hazard ranking system shall be applied to any site or facility to be newly listed on the National Priorities List after the effective date established by the President. Until such effective date of the regulations, the hazard ranking system in effect on September 1, 1984 shall continue in full force and effect.

Although the section does call upon EPA (the President's delegate¹) to establish an effective date by 24 months after the enactment of SARA (i.e., by October 17, 1988), the references to the applicability of the revised HRS, and to the continued applicability of the current HRS, are not to the date two years after the enactment of SARA, but rather to the effective date "established by the President [EPA]" and "such" effective date. EPA has not yet established an effective date for the HRS revisions.

Section 105(c)(1) does not state that if no revised HRS is established by a date certain, there will be no HRS until a revised system is issued and effective, nor does it state that no sites may be listed in the interim period. Indeed, it states quite the opposite: the current HRS will remain in effect until a revised system is in place and effective. EPA notes that when Congress has wanted to prescribe specific consequences that would result from a failure to take a certain action, it has established a "hammer" provision, like that in section 116(d)(2) of CERCLA and section 3004(f)(3) of RCRA. Congress did not do so in the case of the HRS revisions.

EPA's interpretation is consistent with the overall goal of CERCLA to expeditiously list and address problem sites in the nation. See *Eagle-Picher v. EPA*, 759 F.2d 905, 911 (D.C. Cir. 1985) (the purpose of the NPL is "to identify, quickly and inexpensively, sites that may warrant further action under CERCLA"). It is not reasonable to attribute to Congress the intent to leave the Agency without the means to list and address sites on the NPL, based simply on a delay in revising a rule. To do so would harm both the public and goal of protecting health and the environment.

In addition to being the best reading of the statutory language and the general statutory intent, the Agency's interpretation is also compelled by the legislative history behind CERCLA section 105(c)(1). In the Conference Report on SARA, the legislators adopted the Senate amendment, which they summarized as providing that the current HRS shall continue in force "until the new regulations are in effect." H.R. Rep. No. 962, 99th Cong., 2d Sess. 198 (1986) (emphasis added).

Similarly, the report on SARA of the Senate Committee on Environment and Public Works provided that,

¹ The responsibility for the revision of the NCP and all of the other functions vested in the President by sections 105 (a), (b), (c), and (g), 125, and 301(f) of CERCLA, was delegated to the Administrator of EPA by Executive 12580, sec. 1(b)(1) (January 23, 1987).

The provision is meant to deal with this problem *without interfering with* continued EPA progress toward assessing potential site hazards, listing sites, or beginning clean-up action. It would not affect any site or facility listed prior to the actual effective date of the new hazard ranking system, nor would it require the ranking or listing of any site or facility to be delayed. * * * (The amendment leaves) the present hazard ranking system in operation until the more accurate hazard ranking system can be put into effect for sites to be listed thereafter. S. Rep. No. 11, 99th Cong., 1st Sess. 41 (1985) (emphasis added).

Finally, in the floor debate over the CERCLA amendments, members of Congress made their intent clear:

To allow the Administrator to continue adding sites to the NPL while the HRS is being reviewed, the new amendments provide that the current HRS be applied until the effective date of the revised HRS. 132 Cong. Rec. H9624 (daily ed., October 8, 1986) (statement of Rep. Eckhart) (emphasis added); and 132 Cong. Rec. S14931 (daily ed., October 3, 1986) (statement of Sen. Baucus).

[T]he existing hazard ranking system would continue in effect until the revised system is in place. Thus, the provision should not disrupt progress to clean up existing NPL sites or preclude EPA from listing new sites in the interim until the HRS is revised as required by section [105] of the bill. 131 Cong. Rec. S11681 (daily ed., September 18, 1985) (statement of Sen. Baucus) (emphasis added).

EPA intends to issue the revised HRS as soon as possible. However, until that newly proposed system has been subject to public comment and put into effect, EPA will continue to list sites using the current HRS, in accordance with CERCLA section 105(c)(1) and Congressional intent.

IV. Statutory Requirements and Listing Policies

CERCLA restricts EPA's authority to respond to certain categories of releases of hazardous substances, pollutants, or contaminants by expressly excluding some substances, such as petroleum, from the response program. In addition, CERCLA section 105(a)(8)(B) directs EPA to list priority sites "among" the known releases or threatened releases of hazardous substances, pollutants, or contaminants, and section 105(a)(8)(A) directs EPA to consider certain enumerated and "other appropriate" factors in doing so. Thus, as a matter of policy, EPA has the discretion not to use CERCLA to respond to certain types of releases. For example, EPA has chosen not to list sites that result from contamination associated with facilities licensed by the Nuclear Regulatory Commission (NRC), on the grounds that NRC has the authority and expertise to clean up releases from those facilities

(48 FR 40661, September 8, 1983). Where other authorities exist, placing the site on the NPL for possible remedial action under CERCLA may not be appropriate. Therefore, EPA has chosen to defer certain types of sites from the NPL even though CERCLA may provide authority to respond. If, however, the Agency later determines that sites deferred as a matter of policy are not being properly responded to, the Agency may place them on the NPL. The listing policies and statutory requirements of relevance to this final rule cover Resource Conservation and Recovery Act (RCRA) (U.S.C. 6901-6991i) sites, sites with "special study wastes," and mining waste sites, and are discussed below. These and other listing policies and statutory requirements have been explained in greater detail in previous rulemakings, the latest being June 24, 1988 (53 FR 23978 and 53 FR 23988).

Releases From Resource Conservation and Recovery Act (RCRA) Sites

On June 10, 1986 (51 FR 21054), EPA announced a decision on components of a policy for the listing or the deferral from listing on the NPL of several categories of non-Federal sites subject to RCRA Subtitle C corrective action authorities. Under the policy, sites not subject to RCRA Subtitle C corrective action authorities will continue to be placed on the NPL. Examples of such sites include:

- Facilities that ceased treating, storing, or disposing of hazardous waste prior to November 19, 1980 (the effective date of Phase I of the Subtitle C regulations) and to which the RCRA corrective action or other authorities of Subtitle C cannot be applied.
- Sites at which only materials exempted from the statutory or regulatory definition of solid waste or hazardous waste are managed.
- Contamination areas resulting from the activities of RCRA hazardous waste handlers to which RCRA Subtitle C corrective action authorities do not apply, such as hazardous waste generators or transporters, which are not required to have Interim Status or a final RCRA permit.

Also under the policy, certain RCRA sites at which Subtitle C corrective action authorities are available may also be listed if they meet the criteria for listing (e.g., an HRS score of 28.50 or greater) and they fall within one of the following categories:

- Facilities owned by persons who have demonstrated an inability to finance a cleanup as evidenced by their invocation of the bankruptcy laws.
- Facilities that have lost authorization to operate, and for which

there are additional indications that the owner or operator will be unwilling to undertake corrective action.

- Sites, analyzed on a case-by-case basis, whose owners or operators have a clear history of unwillingness to undertake corrective action.

On August 9, 1988 (53 FR 30005), EPA published a policy for determining whether RCRA facilities are unwilling to perform corrective actions, and therefore should be proposed to the NPL. Additionally, on August 9, 1988 (53 FR 30002), EPA published a policy statement requesting comment on a policy for determining when an owner/operator should be considered unable to pay for addressing the contamination at a RCRA-regulated site.

On June 24, 1988 (53 FR 23978), EPA proposed to list RCRA sites in several other categories which the Agency considers appropriate for placement on the NPL. These categories are non- or late filers, converters, protective filers, and sites holding permits issued before enactment of the Hazardous and Solid Waste Amendments of 1984.

In today's final rule, EPA is adding four sites subject to Subtitle C corrective action authorities to the final NPL. These sites are not subject to deferral under the NPL/RCRA deferral policy because the site owners have invoked the protection of the bankruptcy laws.

Releases of Special Study Wastes

Section 105(g) of CERCLA, as amended by SARA, requires additional information before sites involving RCRA "special study wastes" can be added to the NPL. Section 105(g) applies to sites that (1) were not on or proposed for the NPL as of October 17, 1986 and (2) contain sufficient quantities of special study wastes as defined under RCRA sections 3001(b)(2) [drilling fluids], 3001(b)(3)(A)(ii) [mining wastes], and 3001(b)(3)(A)(iii) [cement kiln dust]. Before these sites can be added to the NPL, SARA requires that the following information be considered:

- The extent to which the HRS score for the facility is affected by the presence of the special study waste at or released from the facility.
- Available information as to the quantity, toxicity, and concentration of hazardous substances that are constituents of any special study waste at, or released from, the facility; the extent of or potential for release of such hazardous constituents; the exposure or potential exposure to human population and environment; and the degree of hazard to human health or the environment posed by the release of

such hazardous constituents at the facility.

This final rule includes three sites containing or potentially containing special study wastes. EPA has placed in the dockets addenda that evaluate for each site the information called for in section 105(g). The addenda indicate the special study wastes present a threat to human health and the environment, and that the sites should be added to the NPL.

CERCLA section 125, as amended by SARA, addresses special study wastes described in RCRA section 3001(b)(3)(A)(i) [fly ash and related wastes]. No sites in this rule are subject to the provisions of section 125.

Releases from Mining Sites

The Agency's position is that mining wastes may be hazardous substances, pollutants, or contaminants under CERCLA and, therefore, mining waste sites are eligible for the NPL. This position was affirmed in 1985 by the United States Court of Appeals for the District of Columbia Circuit (*Eagle-Picher Industries, Inc. v. EPA*, 759 F.2d 922 (D.C. Cir 1985)).

The Agency's policy, prior to listing mining sites, is to consider whether they might be satisfactorily addressed using State-share monies from the Abandoned Mine Land Reclamation (AMLR) Fund under the response authorities of the Surface Mining Control and Reclamation Act of 1977 (SMCRA) (e.g., 53 FR 23988, 23993 (June 24, 1988); 54 FR 10512, 10514-15 (March 13, 1989)). The AMLR funds are primarily intended to address reclamation and restoration of land and water resources adversely affected by past coal mining. Sites not meeting the SMCRA eligibility requirements (e.g., abandoned prior to August 3, 1977) or located in States without an approved AMLR Fund have been routinely listed: a SMCRA-eligible site has also recently been listed (March 13, 1989; 54 FR 10512, 10514-18).

Although the AMLR Fund was designed primarily to address coal mining sites, SMCRA sections 409 (a) and (c) provided the States can use funds to address noncoal sites if either all coal sites have been addressed, or the Governor of the State declares that the noncoal project is necessary for the protection of public health or safety. It is important to note that generally the decision to use AMLR funds at a particular site resides with the State concerned.

EPA discussed in the preamble to the revisions to the NCP (53 FR 51394, December 31, 1988), a draft policy to add noncoal mining sites to the NPL should

States choose not to take action to respond to the site under SMCRA. The one exception to this is where a State has funded all of its known coal and noncoal mining projects, and is proposing to use its remaining AMLR funds for impact assistance (e.g., construction of roads, recreation facilities, etc.). EPA would not list a mining site if: (a) the site is discovered in a State where it was previously thought that all mining projects had been completed and impact assistance had been granted, (b) the site is eligible for AMLR funding, (c) sufficient AMLR funds remain to fund the entire response

action, and (d) the State intends to use those funds for impact assistance.

While comment is being taken on the policy discussed in the preamble to the proposed NCP revisions, EPA is including one noncoal mining site in today's final rule to avoid delaying possible remedial activities. The applicability of SMCRA and the AMLR Fund to this site is discussed below.

V. DISPOSITION OF SITES IN TODAY'S FINAL RULE

This final rule promulgates 93 sites (Table 1) and drops four sites from several proposed rulemakings. These 97

sites are from the following proposed updates:

- Update #2 (49 FR 40320, October 15, 1984): 5 sites
- Update #4 (50 FR 37950, September 18, 1985): 2 sites
- Update #5 (51 FR 21099, June 10, 1986): 15 sites
- Update #6 (52 FR 2492, January 22, 1987): 13 sites
- Update #7 (53 FR 23968, June 24, 1988): 62 sites

TABLE 1.—NATIONAL PRIORITIES LIST, NEW FINAL SITES (BY RANK)

[March 1989]

Gr ¹	NPL		State	Site name	City/County	Response category ²			Cleanup status ³
	Rank								
2	59	MI	American Anodex, Inc.	Ionia	V	S			
2	94	WI	N.W. Mauthe Co., Inc.	Appleton	R	S			O
3	115	NY	Circuitron Corp.	East Farmingdale			D		
3	129	MI	Bofors Nobel, Inc.	Muskegon	R	S			
3	137	NC	Aberdeen Pesticide Dumps	Aberdeen	V	R	S		O
3	138	VT	Burgess Brothers Landfill	Woodford			D		
4	155	PA	Hellertown Manufacturing Co.	Hellertown	V	F			
4	165	NY	Rosen Brothers Scrap Yard/Dump	Cortland	R				O
4	177	TX	Brio Refining, Inc.	Friendswood	V	F			
4	194	VT	Bennington Municipal Sanitary Lf	Bennington			D		
4	199	CA	Southern Calif Edison (Visalia)	Visalia	V	S			O
5	213	WI	Hechtmovich Sanitary Landfill	Williamstown			D		
5	214	IA	Mid-America Tanning Co.	Sergeant Bluff			D		
6	259	IL	Interstate Pollution Control, Inc.	Rockford			D		
6	260	NJ	Global Sanitary Landfill	Old Bridge Township			D		
6	265	WI	Tomah Municipal Sanitary Landfill	Tomah			D		
7	321	KS	Hydro-Flex Inc.	Topeka			D		
7	323	LA	Gulf Coast Vacuum Services	Abbeville			D		
7	324	IL	Tri-County Lf/Waste Mgmt Illinois	South Elgin	R				
7	327	CT	Nutmeg Valley Road	Wolcott			D		
7	350	IL	Southeast Rockford Grnd Wtr Con	Rockford			D		
8	351	IN	Galen Myers Dump/Drum Salvage	Osceola	R				O
8	368	IN	Southside Sanitary Landfill	Indianapolis	V	S			
8	371	NC	Koppers Co Inc (Morrisville Plant)	Morrisville			D		I
8	381	PA	Delta Quarries/Slotted Landfill	Antis/Logan Twp	V	F	S		
8	386	GA	T.H. Agricul & Nutri (Albany)	Albany			D		I
8	399	NC	FCX, Inc. (Washington Plant)	Washington		F			
8	400	NM	Cleveland Mill	Silver City			D		
9	404	MD	Bush Valley Landfill	Abingdon			D		
9	417	PA	Boarhead Farms	Bridgeton Township			D		
9	427	TX	Sol Lynn/Industrial Transformers	Houston	V	R	F	S	I
9	432	NC	New Hanover Crty Airport Burn Pit	Wilmington			D		
9	435	LA	PAB Oil & Chemical Service, Inc.	Abbeville			D		
10	459	KY	Red Penn Sanitation Co. Landfill	Peewee Valley			D		
10	461	OH	TRW, Inc. (Minerva Plant)	Minerva	V	S			I
10	471	FL	Wilson Concepts of Florida, Inc.	Pompano Beach			D		
10	476	WA	Hidden Valley Lndfl (Thun Field)	Pierce County	V	S			
10	477	WA	Yakima Plating Co.	Yakima			D		
10	480	MI	Carter Industrials, Inc.	Detroit	R				O
11	510	IN	Douglass Road/Uniroyal, Inc., Lf	Mishawaka			D		
11	521	TN	Wigley Charcoal Plant	Wigley	R				O
11	539	PA	North Penn—Area 1	Souderton	R				
11	540	PA	North Penn—Area 7	North Wales	R				
11	541	PA	North Penn—Area 6	Lansdale	R				
11	542	PA	North Penn—Area 5	Montgomery Township	R				
12	551	CA	Newmark Ground Water Contamin	San Bernardino			D		
12	559	IN	Carter Lee Lumber Co.	Indianapolis			D		
12	560	NH	Fletcher's Paint Works & Storage	Milford	R				O
12	572	NV	C & J Disposal Leasing Co. Dump	Hamilton			D		
12	587	NY	Action Anodizing, Plating Polish	Copiapue			D		
13	611	IA	Red Oak City Landfill	Red Oak	R				I

TABLE 1.—NATIONAL PRIORITIES LIST, NEW FINAL SITES (BY RANK)—Continued

[March 1989]

NPL		State	Site name	City/County	Response category ²	Cleanup status ³
Gr ¹	Rank					
13	612	IN	Lakeland Disposal Service, Inc.	Claypool		D
13	620	NY	Conklin Dumps	Conklin		D
13	631	KY	Tri-City Disposal Co.	Shepherdsville	R	O
13	643	VA	H & H Inc., Burn Pit	Farrington	R	
14	652	GA	Cedartown Municipal Landfill	Cedartown		D
14	660	ND	Minot Landfill	Minot		D
14	664	NY	Islip Municipal Sanitary Landfill	Islip	V	S
14	667	IL	Yeoman Creek Landfill	Waukegan		D
14	669	MI	Folkertsma Refuse	Grand Rapids		D
14	675	NY	BioClinical Laboratories, Inc.	Bohemia		D
14	681	OR	Joseph Forest Products	Joseph		D
14	686	NJ	Industrial Latex Corp.	Wallington Borough	R	O
15	702	CA	Valley Wood Preserving, Inc.	Turlock	V	S
15	703	PA	Butz Landfill	Stroudsburg		D
15	706	NH	Holton Circle Ground Water Contam	Londonberry		D
15	717	NY	Mattiace Petrochemical Co., Inc.	Glen Cove	R	O
15	720	IN	Continental Steel Corp.	Kokomo		D
15	726	MI	J & L Landfill	Rochester Hills	R	
15	730	SC	Medley Farm Drum Dump	Gaffney	V R F	O
15	731	SC	Elmore Waste Disposal	Greer	R	O
15	734	MI	Parsons Chemical Works, Inc.	Grand Ledge		D
16	754	AK	Alaska Battery Enterprises	Fairbanks N Star Bor	R	I
16	757	OK	Double Eagle Refinery Co.	Oklahoma City		D
16	758	GA	Mathis Bros Lf (S Marble Top Rd)	Kensington		D
16	765	PA	Strasburg Landfill	Newlin Township		S
16	766	OK	Fourth Street Abandoned Refinery	Oklahoma City		D
16	775	NJ	Higgins Farm	Franklin Township	R	O
16	778	VA	Rentokil, Inc. (VA Wood Pres Div)	Richmond	V	F
16	790	TX	Sheridan Disposal Services	Hempstead	V	F
16	791	KS	Pester Refinery Co.	El Dorado		S
16	795	PA	Berkley Products Co. Dump	Denver		D
17	804	MI	Adam's Plating	Lansing		D
17	812	NY	Warwick Landfill	Warwick		D
17	813	NY	Sidney Landfill	Sidney		D
17	819	NC	Potter's Septic Tank Service Pits	Maco	R	O
17	820	NC	ABC One Hour Cleaners	Jacksonville		D
17	822	PA	Elizabethtown Landfill	Elizabethtown		D
17	823	AR	Arkwood, Inc.	Omaha	V	F S
17	829	NJ	Pohatcong Valley Ground Water Con	Warren County		D
17	830	NJ	Garden State Cleaners Co.	Minolta		D
17	835	CA	Modesto Ground Water Contamin	Modesto		D
17	848	NJ	Kauffman & Minter, Inc.	Jobstown		D

* State Top Priority Site.

¹ Sites are placed in group (Gr) corresponding to groups of 50 on the final NFL.² V—Voluntary or negotiated response; F—Federal enforcement; D—Category to be determined; R—Federal and State response; S—State enforcement.³ I—Implementation activity underway, one or more operable units; O—more operable units completed others may be underway; C—Implementation activity completed for all operable units.

EPA considered all comments received on these sites through March 2, 1989. Based on the comments received on the proposed sites, as well as further investigation by EPA and the States, EPA recalculated the HRS scores for individual sites where appropriate. EPA's response to site-specific public comments and explanations of any score changes made as a result of such comments are addressed in the "Support Document for the Revised National Priorities List—Final Rule, Update #5."

Resource Conservation and Recovery Act (RCRA) Sites

Four sites are subject to Subtitle C corrective action authorities, but each site owner has invoked the protection of

the bankruptcy laws. The sites are being added to the final NPL under the June 1986 policy:

- Continental Steel Corp., Kokomo, IN
- Pester Refinery Co., El Dorado, KS
- Bofors Nobel, Inc., Muskegon, MI
- Mattiace Petrochemical Co. Inc., Glen Cove, NY

Special Study Waste Sites

Three sites containing or possibly containing special study wastes are being added to the NPL in this rule. The sites and the special study wastes are:

- Gulf Coast Vacuum Services, Abbeville, LA (oil drilling mud and produced waters)

- PAB Oil & Chemical Service, Inc., Abbeville, LA (oil drilling mud and produced waters)

- Cleveland Mill, Silver City, NM (mining wastes)

Mining Sites

One noncoal mining site, Cleveland Mill, Silver City, NM, is being added to the NPL in this final rule. It was abandoned prior to the enactment date of SMCRA. Since New Mexico has an approved AMLR program, the site is potentially eligible for SMCRA funds. However, available information suggests the site will not be addressed under SMCRA in the foreseeable future. Information outlining New Mexico's

position on use of AMER funds at the site is available in the docket.

State Top Priority

One site being added to the final NPL, N. W. Mauthe Co., Appleton, WI, received an HRS score of 25.35. It has been designated as a State top priority. All other sites in today's rule received HRS scores of 28.50 or above. Mauthe and other lower scoring top priority sites

are listed at the bottom of the first 100 sites on the NPL.

Score Revisions

EPA has revised the HRS scores for 17 sites based on its review of comments and additional information (Table 2). Some of the changes have placed the sites in different groups of 50 sites. In four cases, scores dropped below the cut-off of 28.50. Accordingly, these four

sites are being dropped from the proposed NPL at this time:

- Montco Research Products, Inc., Hollister, FL
- E.I. Du Pont de Nemours & Co., Inc., (Montague Plant) Montague, MI
- Horstmann's Dump, East Hanover, NJ
- Olson/Neihart Reservoir, Wasatch County, UT

TABLE 2.—SITES WITH HRS SCORE CHANGES

State	Site name	Location	HRS score	
			Proposed	Final
AR	Arkwood Inc	Omaha	34.21	28.95
CA	Southern California Edison Co. (Visalia Poleyard)	Visalia	53.36	48.91
FL	Montco Research Products, Inc.	Hollister	29.44	25.52
IN	Douglas Road/Uniroyal, Inc., Landfill	Mishawaka	42.39	36.61
IN	Southside Sanitary Landfill	Indianapolis	35.35	41.94
MI	American Anodco, Inc.	Ionia	48.37	57.99
MI	E.I. Du Pont de Nemours & Co., Inc. (Montague Plant)	Montague	38.08	25.23
MI	J & L Landfill	Rochester Hills	37.23	31.65
NJ	Horstmann's Dump	East Hanover	28.96	21.84
NY	BioClinical Laboratories, Inc.	Bohemia	36.64	32.91
PA	Hellertown Manufacturing Co.	Hellertown	51.94	51.91
TX	Sheridan Disposal Services	Hempstead	30.67	30.16
UT	Olson/Neihart Reservoir	Wasatch County	33.75	19.90
VA	H&H, Inc., Burn Pit	Farrington	39.04	33.71
VA	Rentokil, Inc. (Virginia Wood Preserving Division)	Richmond	31.67	30.34
WA	Hidden Valley Landfill (Thun Field)	Pierce County	42.92	37.93
WI	Tomah Municipal Sanitary Landfill	Tomah	45.97	45.91

Name Revisions

The names of four sites addressed in this final rule have been changed in response to information received during the comment period (Table 3). The changes are intended to reflect more accurately the location, nature, or parties responsible for problems at the site.

TABLE 3.—SITES WITH NAME CHANGES

State/Site Name	
Proposed NPL	Final NPL
PA American Electronics Laboratories, Inc.	North Penn—Area 5.
PA Gentle Cleaners, Inc./Granite Knitting Mills, Inc.	North Penn—Area 1.
PA J.W. Rex Co./Allied Paint Manufacturing Co., Inc./Keystone Hydraulics	North Penn—Area 6.
PA Spru-Fin, Inc.	North Penn—Area 7.

VI. Disposition of all Proposed Sites/ Federal Facility Sites

To date, EPA has proposed seven major updates to the NPL (Table 4).

TABLE 4.—NPL PROPOSALS

Update No.	Date/Federal Register citation	Number of sites/ Federal facility sites	
		Proposed	Re-remaining proposed
1	9/8/83, 48 FR 40674	132/1	2/0
2	10/15/84, 49 FR 40320	208/36	40/4
3	4/10/85, 50 FR 14115	26/8	8/2
4	9/18/85, 50 FR 37950	38/3	11/2
5	6/10/86, 51 FR 21099	43/2	12/2
6	1/22/87, 52 FR 2492	63/1	27/0
7	6/24/88, 53 FR 23988	215/14	153/12
Total		725/63	251/22

At this time, 251 sites and 22 Federal facility sites proposed in Updates #1 through 7 continue to be proposed pending completion of response to comment, resolution of technical issues, and various policy issues. Among them are 43 previously proposed RCRA sites. On June 24, 1988 (53 FR 23978), EPA proposed action on these sites based upon the application of the NPL/RCRA policy.

All sites that remain proposed will be considered for future final rules. Although these sites remain proposed, the comment periods have not been extended or reopened.

VII. Contents of the NPL

The 93 new sites added to the NPL in today's rule (Table 1) have been incorporated into the NPL in order of their HRS scores except where EPA modified the order to reflect top priorities designated by the States, as discussed in greater detail in previous rulemakings, the most recent on June 24, 1988 (53 FR 23988).

The NPL appears at the end of this final rule and will be codified as part of Appendix B to the NCP. Sites on the NPL are arranged according to their scores on the HRS. The NPL is presented in groups of 50 sites to emphasize that minor differences in HRS scores do not necessarily represent significantly different levels of risk. Except for the first group, the score range within the groups, as indicated in the list, is less than 4 points. EPA considers the sites within a group to have approximately the same priority for response actions. For convenience, the sites are numbered.

One site—the Lansdowne Radiation Site in Lansdowne, PA—was placed on the NPL because it met the requirements of the NCP at section 300.66(b)(4), as explained in section III of this rule; it has an HRS score less than 28.50, and appears at the end of the list.

No new sites have been added to the Federal facility section of the NPL since it was last amended (54 FR 10512, March 13, 1989).

Each entry on the NPL contains the name of the facility and the State and city or county in which it is located.

For informational purposes, each entry is accompanied by one or more notations reflecting the status of response and cleanup activities at these sites at the time this list was prepared. Because this information may change periodically, these notations may become outdated.

Five response categories are used to designate the type of response underway. One or more categories may apply to each site. The categories are: Federal and/or State response (R), Federal enforcement (F), State enforcement (S), Voluntary or negotiated response (V), and Category to be determined (D).

EPA also indicates the status of significant CERCLA-financed or private party cleanup activities underway or completed. Three cleanup status codes are used. Only one is necessary to designate the status of actual cleanup activity at each site since the codes are mutually exclusive. The codes are: Implementation activities are underway for one or more operable units (I), Implementation activities are completed for one or more (but not all) operable units (O), and Implementation activities are completed for all operable units (C). These categories and codes are explained in detail in earlier rulemakings, the most recent on June 10, 1986 (51 FR 21075).

VIII. Regulatory Impact Analysis

The costs of cleanup actions that may be taken at sites are not directly attributable to placement on the NPL, as explained below. Therefore, the Agency has determined that this rulemaking is not a "major" regulation under Executive Order 12291. EPA has conducted a preliminary analysis of economic implications of today's amendment to the NCP. EPA believes that the kinds of economic effects associated with this revision are generally similar to those effects identified in the regulatory impact analysis (RIA) prepared in 1982 for the revisions to the NCP pursuant to section 105 of CERCLA and the economic analysis prepared when amendments to the NCP were proposed (50 FR 5882, February 12, 1985). The Agency believes the anticipated economic effects related to adding 93 sites to the NPL can be characterized in terms of the conclusions of the earlier RIA and the most recent economic analysis. This rule

was submitted to the Office of Management and Budget for review as required by Executive Order 12291.

Costs

EPA has determined that this rulemaking is not a "major" regulation under Executive Order 12291 because inclusion of a site on the NPL does not itself impose any costs. It does not establish that EPA will necessarily undertake remedial action, nor does it require any action by a private party or determine its liability for site response costs. Costs that arise out of site responses result from site-by-site decisions about what actions to take, not directly from the act of listing itself. Nonetheless, it is useful to consider the costs associated with responding to all sites included in this rulemaking.

The major events that follow the proposed listing of a site on the NPL are a search for potentially responsible parties and a remedial investigation/feasibility study (RI/FS) to determine if remedial actions will be undertaken at a site. Design and construction of the selected remedial alternative follow completion of the RI/FS, and operation and maintenance (O&M) activities may continue after construction has been completed.

EPA initially bears costs associated with responsible party searches. Responsible parties may bear some or all the costs of the RI/FS, remedial design and construction, and O&M, or EPA and the States may share costs.

The State cost share for site cleanup activities has been amended by section 104 of SARA. For privately-owned sites, as well as at publicly-owned but not publicly-operated sites, EPA will pay for 100% of the costs of the RI/FS and remedial planning, and 90% of the costs associated with remedial action. The State will be responsible for 10% of the remedial action. For publicly-operated sites, the State cost share is at least 50% of all response costs at the site, including the RI/FS and remedial design and construction of the remedial action selected. After the remedy is built, costs fall into two categories:

- For restoration of ground water and surface water, EPA will share in startup costs according to the criteria in the previous paragraph for 10 years or until a sufficient level of protectiveness is achieved before the end of 10 years.
- For other cleanups, EPA will share for up to 1 year the cost of that portion of response needed to assure that a remedy is operational and functional. After that, the State assumes full responsibilities for O&M.

In previous NPL rulemakings, the Agency estimated the costs associated

with these activities (RI/FS, remedial design, remedial action, and O&M) on an average per site and total cost basis. EPA will continue with this approach, using the most recent (1988) cost estimates available; these estimates are presented below. However, there is wide variation in costs for individual sites, depending on the amount, type, and extent of contamination.

Additionally, EPA is unable to predict what portions of the total costs responsible parties will bear, since the distribution of costs depends on the extent of voluntary and negotiated response and the success of any cost-recovery actions.

Cost category	Average total cost per site ¹
RI/FS.....	1,100,000
Remedial Design.....	750,000
Remedial Action.....	² 13,500,000
Net present value of O&M ³	² 3,770,000

¹ 1988 U.S. dollars.

² Includes State cost-share.

³ Assumes cost of O&M over 30 years, \$400,000 for the first year and 10% discount rate.

Source: Office of Program Management, Office of Emergency and Remedial Response, U.S. EPA.

Costs to States associated with today's final rule arise from the required State cost-share of: (1) 10% of remedial actions and 10% of first-year O&M costs at privately-owned sites and sites which are publicly-owned but not publicly-operated; and (2) at least 50% of the remedial planning (RI/FS and remedial design), remedial action, and first-year O&M costs at publicly-operated sites. States will assume the cost for O&M after EPA's period of participation. Using the assumptions developed in the 1982 RIA for the NCP, EPA has assumed that 90% of the 93 sites added to the NPL in this rule will be privately-owned and 10% will be State- or locally-operated. Therefore, using the budget projections presented above, the cost to States of undertaking Federal remedial planning and actions, but excluding O&M costs, would be approximately \$193 million. State O&M costs cannot be accurately determined because EPA, as noted above, will share O&M costs for up to 10 years for restoration of ground water and surface water, and it is not known how many sites will require this treatment and for how long. However, based on past experience, EPA believes a reasonable estimate is that it will share startup costs for up to 10 years at 25% of sites. Using this estimate, State O&M costs would be approximately \$308 million.

Placing a hazardous waste site on the final NPL does not itself cause firms

responsible for the site to bear costs. Nonetheless, a listing may induce firms to clean up the sites voluntarily, or it may act as a potential trigger for subsequent enforcement or cost-recovery actions. Such actions may impose costs on firms, but the decisions to take such actions are discretionary and made on a case-by-case basis. Consequently, precise estimates of these effects cannot be made. EPA does not believe that every site will be cleaned up by a responsible party. EPA cannot project at this time which firms or industry sectors will bear specific portions of the response costs, but the Agency considers: the volume and nature of the waste at the sites; the strength of the evidence linking the wastes at the site to the parties; the parties' ability to pay; and other factors when deciding whether and how to proceed against the parties.

Economy-wide effects of this amendment to the NCP are aggregations of effects on firms and State and local governments. Although effects could be felt by some individual firms and States, the total impact of this amendment on output, prices, and employment is expected to be negligible at the national level, as was the case in the 1982 RIA.

Benefits

The real benefits associated with today's amendment placing additional sites on the NPL are increased health and environmental protection as a result of increased public awareness of potential hazards. In addition to the potential for more Federally-financed remedial actions, expansion of the NPL could accelerate privately-financed, voluntary cleanup efforts. Listing sites as national priority targets may also give States increased support for funding responses at particular sites.

As a result of the additional CERCLA remedies, there will be lower human exposure to high-risk chemicals, and higher-quality surface water, ground water, soil, and air. These benefits are expected to be significant, although difficult to estimate in advance of completing the RI/FS at these sites.

Associated with the costs are significant potential benefits and cost offsets. The distributional cost to firms of financing NPL remedies have corresponding "benefits" in that funds expended for a response generate employment, directly or indirectly (through purchased materials).

IX. Regulatory Flexibility Act Analysis

The Regulatory Flexibility Act of 1980 requires EPA to review the impact of this action on small entities, or certify that the action will not have a significant impact on a substantial number of small entities. By small entities, the Act refers to small businesses, small government jurisdictions, and nonprofit organizations.

While modifications to the NPL are considered revisions to the NCP, they are not typical regulatory changes since the revisions do not automatically impose costs. The placing of sites on the NPL does not in itself require any action of any private party, nor does it determine the liability of any party for the cost of cleanup at the site. Further, no identifiable groups are affected as a whole. As a consequence, it is hard to predict impacts on any group. Placing a site on the NPL could increase the likelihood that adverse impacts to responsible parties (in the form of cleanup costs) will occur, but EPA cannot identify the potentially affected business at this time nor estimate the number of small businesses that might be affected.

The Agency does expect that certain industries and firms within industries that have caused a proportionately high percentage of waste site problems could be significantly affected by CERCLA actions. However, EPA does not expect the impacts from the listing of these 93 sites to have a significant economic impact on a substantial number of small businesses.

In any case, economic impacts would only occur through enforcement and cost-recovery actions, which are taken at EPA's discretion on a site-by-site basis. EPA considers many factors when determining what enforcement actions to take, including not only the firm's contribution to the problem, but also the firm's ability to pay.

The impacts (from cost recovery) on small governments and nonprofit organizations would be determined on a similar case-by-case basis.

List of Subjects in 40 CFR Part 300

Air pollution control, Chemicals, Hazardous materials, Intergovernmental relations, Natural resources, Oil pollution, Reporting and recordkeeping requirements, Superfund, Waste, treatment and disposal, Water pollution control, Water supply.

Date: March 22, 1989.

Henry L. Longest II,
Acting Assistant Administrator, Office of
Solid Waste and Emergency Response.

Part 300—[AMENDED]

40 CFR Part 300 is amended as follows:

1. The authority citation for Part 300 continues as follows:

Authority: 42 U.S.C. 9605; 42 U.S.C. 9620; 33 U.S.C. 1321(c)(2); E.O. 11735 (38 FR 21243); E.O. 12580 (52 FR 2923).

2. Appendix B of Part 300 is revised to read as set forth below.

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
Group 1 (HRS Scores 75.60—58.41)						
1	02	NJ	Lipari Landfill	Pitman	R F	O
2	03	DE	Tybouts Corner Landfill *	New Castle County	V R F	O
3	03	PA	Bruin Lagoön	Bruin Borough	R F	O
4	02	NJ	Helen Kramer Landfill	Mantua Township	R S	
5	01	MA	Industri-Plex	Woburn	V R F	O
6	02	NJ	Price Landfill *	Pleasantville	V R F	O
7	02	NY	Pollution Abatement Services *	Oswego	R	O
8	07	IA	LaBounty Site	Charles City	V F	O
9	03	DE	Army Creek Landfill	New Castle County	V R F	O
10	02	NJ	CPS/Madison Industries	Old Bridge Township	V S	
11	01	MA	Nyanza Chemical Waste Dump	Ashland	R F	

APPENDIX B—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category	Cleanup Status
12	02	NJ	GEMS Landfill	Gloucester Township	R F S	I
13	05	MI	Berlin & Farro	Swartz Creek	V R F S	O
14	01	MA	Baird & McGuire	Holbrook	R F F	O
15	02	NJ	Lone Pine Landfill	Freehold Township	V R F	
16	01	NH	Somersworth Sanitary Landfill	Somersworth	R R	
17	05	MN	FMC Corp. (Fridley Plant)	Fridley	V	O
18	06	AR	Vertac, Inc.	Jacksonville	V F S	O
19	01	NH	Keefe Environmental Services	Epping	R F S	O
20	08	MT	Silver Bow Creek/Butte Area	Silt Bow/Deer Lodge	R	
21	08	SD	Whitewood Creek*	Whitewood	V	
22	06	TX	French, Ltd.	Crosby	V R F	O
23	01	NH	Sylvester *	Nashua	R F S	
24	05	MI	Liquid Disposal, Inc.	Utica	R R F	O
25	03	PA	Tyson's Dump	Upper Merion Twp	V R F F	O
26	03	PA	McAdoo Associates *	McAdoo Borough	V R F F	O
27	06	TX	Motco, Inc. *	La Marque	V R F F	O
28	05	OH	Arcanum Iron & Metal	Darke County	V R F F	
29	08	MT	East Helena Site	East Helena	V	
30	06	TX	Sikes Disposal Pits	Crosby	R F	O
31	04	AL	Triana/Tennessee River	Limestone/Morgan	V R F F	O
32	09	CA	Stringfellow *	Glen Avon Heights	R F F S	O
33	01	ME	McKin Co.	Gray	V R F F	O
34	06	TX	Crystal Chemical Co.	Houston	R R F	O
35	02	NJ	Bridgeport Rental & Oil Services	Bridgeport	R R F F	O
36	08	CO	Sand Creek Industrial	Commerce City	R R F F	O
37	06	TX	Geneva Industries/Fuhrmann Energy	Houston	R R F F	O
38	01	MA	W.F. Grace & Co Inc (Acton Plant)	Acton	V R F S	O
39	02	NJ	Burnt Fly Bog	Marlboro Township	R R F S	O
40	02	NJ	Vineland Chemical Co., Inc.	Vineland	V R	O
41	04	FL	Schuykill Metals Corp.	Plant City	R F S	O
42	05	MN	Reilly Tar (St. Louis Park Plant) *	St. Louis Park	R F S	O
43	05	MN	New Brighton /Arden Hills	New Brighton	R	O
44	02	NY	Old Bethpage Landfill	Oyster Bay	V R S	
45	04	FL	Reeves Southeast Galvanizing Corp.	Tampa	D S	O
46	02	NJ	Shielfalloy Corp.	Newfield Borough	V F S	
47	08	MT	Anaconda C. Smelter	Anaconda	V R F S	I
48	10	WA	Western Processing Co., Inc.	Kent	V R F S	O
49	05	WI	Omega Hills North Landfill	Germantown	R F S	
50	04	FL	American Creosote (Pensacola Pit)	Pensacola	R F	O

Group 2 (HRS Scores 58.30—55.71, except for State top priority sites)

51	02	NJ	Caldwell Trucking Co.	Fairfield	R F F S	
52	02	NY	GE Moreau	South Glen Falls	V R F S	O
53	04	FL	Peak Oil Co./Bay Drum Co.	Tampa	R R F	O
54	05	OH	United Scrap Lead Co., Inc.	Troy	R R	O
55	06	OK	Tar Creek (Ottawa County)	Ottawa County	R R	O
56	07	KS	Cherokee County	Cherokee County	V R F	O
57	05	IN	Seymour Recycling Corp. *	Seymour	V R F S	O
58	02	NJ	Brick Township Landfill	Brick Township	V R F S	O
59	05	MI	American Anodco, Inc.	Ionia	V	O
60	05	MI	Northernair Plating	Cadillac	R	O
61	05	WI	Janesville Old Landfill	Janesville	R F	
62	10	WA	Frontier Hard Chrome, Inc.	Vancouver	R R	
63	04	SC	Independent Nail Co.	Beaufort	R R	
64	05	WI	Janesville Ash Beds	Janesville	R F F S	
65	04	SC	Kalama Specialty Chemicals	Beaufort	V R F F S	I
66	04	FL	Davis Landfill	Davis	R F F	
67	05	OH	Miami County Incinerator	Troy	R F F	
68	05	IN	International Minerals (E. Plant)	Terre Haute	R F	
69	04	FL	Gold Coast Oil Corp.	Miami	R	O
70	05	WI	Wheeler Pit	La Prairie Township	R S	
71	09	AZ	Tucson International Airport Area	Tucson	R	
72	09	CA	Operating Industries, Inc. Landfill	Monterey Park	R F	
73	02	NY	Wide Beach Development	Brant	R R	O
74	09	CA	Iron Mountain Mine	Redding	R R F S	O
75	02	NJ	Scientific Chemical Processing	Carlstadt	V R F F S	O
76	08	CO	California Gulch	Leadville	R F	
77	02	NJ	D'Imperio Property	Hamilton Township	R	I
78	05	MN	Oakdale Dump	Oakdale	V R F F S	O
79	05	MI	Gratiot County Landfill *	St. Louis	V R F F S	O
80	01	RI	Picicle Farm *	Coventry	R R F F S	O
81	01	MA	New Bedford Site *	New Bedford	V R R F S	O
82	06	LA	Old Inger Oil Refinery *	Darrow	R	O

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
83	05	OH	Chem-Dyne *	Hamilton	V R F S	O
84	04	SC	SCRDI Bluff Road *	Columbia	V R F S	O
85	01	CT	Laurel Park, Inc. *	Naugatuck Borough	V R F S	O
86	08	CO	Marshall Landfill *	Boulder County	V R F S	O
87	05	IL	Outboard Marine Corp. *	Waukegan	R R F S	I
88	06	NM	South Valley *	Albuquerque	R R F S	I
89	01	VT	Pine Street Canal *	Burlington	R R F S	I
90	03	WV	West Virginia Ordnance *	Point Pleasant	V R F S	O
91	07	MO	Ellisville Site *	Ellisville	R R F S	O
92	08	ND	Arsenic Trioxide Site *	Southeastern ND	R R F S	O
93	07	IA	Aidex Corp. *	Council Bluffs	R R F S	O
94	05	WI	N.W. Mauthe Co., Inc. *	Appleton	R R F S	O
95	04	TN	North Hollywood Dump *	Memphis	V R R F S	O
96	04	KY	A.L. Taylor (Valley of Drums) *	Brooks	V R R F S	O
97	09	GU	Ordot Landfill *	Guam	V R R F S	I
98	04	MS	Flowood Site *	Flowood	V R R F S	I
99	08	UT	Rose Park Sludge Pit *	Salt Lake City	V R R F S	C
100	07	KS	Arkansas City Dump *	Arkansas City	V R R F S	I

Group 3 (HRS Scores 55.58—52.05)

101	05	IL	Parsons Casket Hardware Co.	Belvidere		D	
102	05	IL	A & F Material Reclaiming, Inc.	Greenup		F	O
103	03	PA	Douglassville Disposal	Douglassville			O
104	05	MN	Koppers Coke	St. Paul	R		I
105	01	MA	Plymouth Harbor/Cannon Eng. Corp.	Plymouth	V R F S		O
106	10	ID	Bunker Hill Mining & Metallurg.	Smeterville	V R F S		O
107	02	NY	Hudson River PCBs	Hudson River	R		I
108	02	NJ	Universal Oil Products (Chem Div)	East Rutherford	V R F S		I
109	09	CA	Aerojet General Corp.	Rancho Cordova	V R F S		I
110	10	WA	Com Bay, South Tacoma Channel	Tacoma	V R F S		O
111	03	PA	Osborne Landfill	Grove City	V R F S		I
112	08	UT	Portland Cement (Kiln Dust 2 & 3)	Salt Lake City	V R F S		I
113	01	CT	Old Southington Landfill	Southington	V R F S		I
114	02	NY	Syosset Landfill	Oyster Bay	V R F S		I
115	02	NY	Circuitron Corp.	East Farmingdale	V R F S		I
116	09	AZ	Nineteenth Avenue Landfill	Phoenix		S	D
117	10	OR	Teledyne Wah Chang	Albany	V R F S		O
118	10	WA	Midway Landfill	Kent	V R F S		O
119	02	NY	Sinclair Refinery	Wellsville	R R F S		O
120	04	AL	Mowbray Engineering Co.	Greenville	R R F S		O
121	05	MI	Spiegelberg Landfill	Green Oak Township	R R F S		O
122	04	FL	Miami Drum Services	Miami	R R F S		O
123	02	NJ	Reich Farms	Pleasant Plains	R R F S		O
124	10	ID	Union Pacific Railroad Co.	Pocatello	V R F S		O
125	02	NJ	South Brunswick Landfill	South Brunswick	V R F S		O
126	04	AL	Ciba-Geigy Corp. (McIntosh Plant)	McIntosh	V R F S		O
127	04	FL	Kassaut-Kimerling Battery	Tampa	V R F S		O
128	05	IL	Wauconda Sand & Gravel	Wauconda	V R F S		O
129	05	MI	Bofors Nobel, Inc.	Muskegon	R R F S		O
130	06	TX	Bailey Waste Disposal	Bridge City	R R F S		O
131	01	NH	Ottati & Goss/Kingston Steel Drum	Kingston	V R F S		O
132	05	MI	Ott/Story/Cordova Chemical Co.	Dalton Township	V R F S		O
133	05	MI	Thermo-Chem, Inc.	Muskegon	V R F S		O
134	03	VA	Greenwood Chemical Co.	Newtown	R R F S		O
135	02	NJ	NE Industries	Pedricktown	V R F S		O
136	05	MN	St. Regis Paper Co.	Cass Lake	V R F S		O
137	04	NC	Aberdeen Pesticide Dumps	Aberdeen	V R F S		O
138	01	VT	Burgess Brothers Landfill	Woodford	V R F S		O
139	02	NJ	Ringwood Mines/Landfill	Ringwood Borough	V R F S		O
140	04	FL	Whitehouse Oil Pits	Whitehouse	V R F S		O
141	04	GA	Hercules 009 Landfill	Brunswick	V R F S		O
142	02	NY	Jones Sanitation	Hyde Park	V R F S		O
143	05	MI	Velsicol Chemical (Michigan)	St. Louis	V R F S		O
144	05	OH	Summit National	Deerfield Township	V R F S		O
145	02	NY	Love Canal	Niagara Falls	V R F S		O
146	03	DE	Coker's Sanitation Service Lndfs	Kent County	V R F S		O
147	05	MI	Rockwell International (Allegan)	Allegan	V R F S		O
148	05	MN	Pine Bend Sanitary Landfill	Dakota County	V R F S		O
149	07	IA	Lawrence Todtz Farm	Camanche	V R F S		O
150	05	IN	Fisher-Calo	LaPorte	V R F S		O

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
Group 4 (HRS Scores 51.97—48.89)						
151	04	FL	Pioneer Sand Co.	Warrington	R S	
152	05	MI	Springfield Township Dump	Davisburg	R	
153	03	PA	Hranica Landfill	Buffalo Township	V F S	O
154	04	NC	Martin-Marietta, Sodyeco, Inc	Charlotte	V	
155	03	PA	Hellertown Manufacturing Co.	Hellertown	V F	
156	04	FL	Zellwood Ground Water Contamin	Zellwood	V F F	I
157	05	MI	Packaging Corp. of America	Filler City	V F F	
158	05	WI	Muskego Sanitary Landfill	Muskego	V F F	
159	02	NY	Hooker (S Area)	Niagara Falls	V F S	
160	03	PA	Lindane Dump	Harrison Township	V	
161	08	CO	Central City-Clear Creek	Idaho Springs	R	O
162	02	NJ	Ventron/Velsicol	Wood Ridge Borough	V R S	
163	04	FL	Taylor Road Landfill	Seffner	V F	O
164	01	RI	Western Sand & Gravel	Burrillville	V R S	O
165	02	NY	Rosen Brothers Scrap Yard/Dump	Cortland	R	O
166	04	SC	Koppers Co Inc (Florence Plant)	Florence	R S	O
167	02	NJ	Maywood Chemical Co	Maywood/Rochelle Pk	R	O
168	02	NJ	Nascoffe Corp	Millville	R R	
169	05	OH	Industrial Excess Landfill	Uniontown	R R S	I
170	06	OK	Hardage/Criner	Criner	R R F	
171	05	MI	Rose Township Dump	Rose Township	R R	
172	05	MN	Waste Disposal Engineering	Andover	V R F S	
173	02	NY	Liberty Industrial Finishing	Farmingdale	V R F S	O
174	02	NJ	Kin-Buc Landfill	Edison Township	V R F S	O
175	05	IN	Waste, Inc., Landfill	Michigan City	V F F S	
176	05	OH	Bowers Landfill	Circleville	V F F F	
177	06	TX	Brio Refining, Inc	Friendswood	V F F F	
178	02	NJ	Ciba-Geigy Corp	Toms River	V F F F	
179	05	MI	Butterworth #2 Landfill	Grand Rapids	V F	
180	02	NJ	American Cyanamid Co	Bound Brook	V F S	
181	03	PA	Heleva Landfill	North Whitehall Twp	V R F	O
182	02	NJ	Ewan Property	Shamong Township	R	
183	02	NY	Batavia Landfill	Batavia	V F	
184	05	MN	Boise Cascade/Onan/Medtronics	Fridley	F S	O
185	01	RI	Landfill & Resource Recovery	North Smithfield	F S	
186	03	PA	Butler Mine Tunnel	Pittston	V R F F	O
187	04	FL	Northwest 58th Street Landfill	Hialeah	V R F F S	I
188	02	NJ	Delilah Road	Egg Harbor Township	R R	
189	03	PA	Mill Creek Dump	Erie	R R	O
190	02	NJ	Glen Ridge Radium Site	Glen Ridge	R R	O
191	02	NJ	Montclair/West Orange Radium Site	Montclair/W Orange	R R	O
192	04	FL	Sixty-Second Street Dump	Tampa	R R	I
193	05	MI	G&H Landfill	Utica	R	
194	01	VT	Bennington Municipal Sanitary Lf	Bennington		D
195	04	NC	Celanese (Shelby Fiber Operations)	Shelby	V	
196	02	NJ	Metaltac/Aerosystems	Franklin Borough	R	
197	05	WI	Schmalz Dump	Harrison	R	
198	05	MI	Motor Wheel, Inc	Lansing	F S	O
199	09	CA	Southern Calif Edison (Visalia)	Visalia	V	O
200	02	NJ	Lang Property	Pemberton Township	F	
Group 5 (HRS Scores 48.86—46.44)						
201	06	TX	Stewco, Inc.	Waskom	R F	O
202	02	NJ	Sharky Landfill	Parsippany/Troy Hts	R	
203	09	CA	Selma Treating Co	Selma	F	
204	06	LA	Cleve Reber	Sorrento	R	I
205	05	IL	Velsicol Chemical (Illinois)	Marshall	R	C
206	05	MI	Tar Lake	Mancelona Township	F	
207	02	NY	Johnstown City Landfill	Town of Johnstown	R	
208	04	NC	NC State U (Lot 86, Farm Unit #1)	Raleigh		D
209	06	CO	Lowry Landfill	Arapahoe County	V R	O
210	05	MN	MacGillis & Gibbs/Bell Lumber	New Brighton	R F S	O
211	03	PA	Hunterstown Road	Straban Township	V R F	O
212	03	MD	Woodlawn County Landfill	Woodlawn		D
213	05	WI	Hechimovich Sanitary Landfill	Williamstown		D
214	07	IA	Mid-America Tanning Co	Sergeant Bluff		D
215	02	NJ	Combe-Fill North Landfill	Mount Olive Twp	R	
216	01	MA	Re-Solve, Inc.	Dartmouth	V R F	I
217	02	NJ	Goose Farm	Plumstead Township	V R F S	O
218	04	TN	Velsicol Chem (Hardeman County)	Toone	F S	O
219	02	NY	York Oil Co	Moira	F F	O

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
220	04	FL	Sapp Battery Salvage.....	Cottdale	R	O
221	04	SC	Wamchem, Inc.....	Burton	V R	
222	02	NJ	Chemical Leaman Tank Lines, Inc.....	Bridgeport	V R F	
223	05	WI	Master Disposal Service Landfill.....	Brookfield	R R	
224	07	KS	Doepke Disposal (Holliday).....	Johnson County	R R	I
225	02	NJ	Florence Land Recontouring Lndfil.....	Florence Township	R R	
226	01	RI	Davis Liquid Waste.....	Smithfield	R R S	O
227	01	MA	Charles-George Reclamation Lndfil.....	Tyngsborough	R R F	O
228	02	NJ	King of Prussia.....	Winslow Township	V R F	
229	03	VA	Chisman Creek.....	York County	V R	I
230	05	OH	Nease Chemical.....	Salem	V R S	I
231	08	CO	Eagle Mine.....	Mintum/Redcliff	R R S	O
232	02	NJ	Chemical Control.....	Elizabeth	R R S	O
233	04	NC	Charles Macon Lagoon & Drum Stor.....	Cordova	R R F S	O
234	04	SC	Leonard Chemical Co., Inc.....	Rock Hill	R R F S	O
235	05	OH	Allied Chemical & Ironton Coke.....	Ironton	R R F	I
236	05	MI	Verona Well Field.....	Battle Creek	R R	I
237	07	MO	Lee Chemical.....	Liberty		D
238	01	CT	Beacon Heights Landfill.....	Beacon Falls	V R F	
239	04	AL	Stauffer Chem (Cold Creek Plant).....	Bucks	V R	
240	05	MN	Burlington Northern (Brainerd).....	Brainerd/Baxter	V R	O
241	05	MI	Torch Lake.....	Houghton County	R	
242	01	RI	Central Landfill.....	Johnston	V R F S	
243	03	PA	Malvern TCE.....	Malvern		D
244	02	NY	Facet Enterprises, Inc.....	Elmira	V R F	
245	03	DE	Delaware Sand & Gravel Landfill.....	New Castle County	R R	O
246	03	PA	MW Manufacturing.....	Valley Township	R R S	O
247	03	VA	C & R Battery Co., Inc.....	Chesterfield County	R R	O
248	04	TN	Murray-Ohio Dump.....	Lawrenceburg	V R S	
249	05	IN	Envirotech Corp.....	Zionsville	V R F	O
250	05	IN	MIDCO I.....	Gary	R F	O

Group 6 (HRS Scores 46.44-43.78)

251	05	OH	Ormet Corp.....	Hannibal	V R F S	
252	05	OH	South Point Plant.....	South Point	R F	I
253	03	PA	Whitmoyer Laboratories.....	Jackson Township	R R F S	O
254	04	FL	Coleman-Evans Wood Preserving Co.....	Whitehouse	V R F S	O
255	02	NJ	Dayco Corp./LE Carpenter Co.....	Wharton Borough	V R F S	O
256	03	PA	Shriver's Corner.....	Straban Township	V R F	O
257	03	PA	Dorney Road Landfill.....	Upper Macungie Twp	R	
258	05	IN	Northside Sanitary Landfill, Inc.....	Zionsville	R F S	
259	05	IL	Interstate Pollution Control, Inc.....	Rockford		D
260	02	NJ	Global Sanitary Landfill.....	Old Bridge Township		D
261	04	FL	Florida Steel Corp.....	Indian town	V R	O
262	05	IL	Page's Pit.....	Rockford	R F	O
263	05	MN	University Minn Rosemount Res Cen.....	Rosemount	R S	
264	05	MN	Freeway Sanitary Landfill.....	Burnsville	R S	
265	05	WI	Tomah Municipal Sanitary Landfill.....	Tomah		D
266	09	AZ	Litchfield Airport Area.....	Goodyear/Avondale	R F S	
267	09	CA	Firestone Tire (Salinas Plant).....	Salinas	R R F S	O
268	02	NJ	Spence Farm.....	Plumstead Township	V R F	I
269	06	AR	Mid-South Wood Products.....	Mena	V R F	I
270	04	MS	Newsom Brothers/Old Reichold.....	Columbia	R R	O
271	09	CA	Atlas Asbestos Mine.....	Fresno County	R R	
272	09	CA	Coalinga Asbestos Mine.....	Coalinga	R R	
273	04	FL	Brown Wood Preserving.....	Live Oak	V R F	
274	02	NY	Port Washington Landfill.....	Port Washington	R R F	
275	05	IN	Columbus Old Municipal Lndfil #1.....	Columbus	R R F	
276	02	NJ	Corabie Fill South Landfill.....	Chester Township	R	
277	02	NJ	JIS Landfill.....	Jamesburg/S. Brnswck	R F S	
278	02	NY	Tronic Plating Co., Inc.....	Farmingdale	V R F	
279	03	PA	Centre County Kepone.....	State College Boro	R R S	O
280	05	OH	Fields Brook.....	Ashtabula	R R	I
281	01	CT	Solvents Recovery Service New Eng.....	Southington	R F	I
282	08	CO	Woodbury Chemical Co.....	Commerce City	R R	
283	02	NJ	Waltwick Aerospace Devices, Inc.....	Wall Township	R R S	O
284	01	MA	Hocomonco Pond.....	Westborough	R R F	O
285	04	KY	Distler Brickyard.....	West Point	R R F	O
286	02	NY	Ramapo Landfill.....	Ramapo	V R S	
287	09	CA	Coast Wood Preserving.....	Ukiah	R R S	
288	09	CA	South Bay Asbestos Area.....	Alviso	R R	I
289	02	NY	Mercury Refining, Inc.....	Colonie	V R S	O
290	04	FL	Hollingsworth Solderless Terminal.....	Fort Lauderdale	R	I

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
291	02	NY	Olean Well Field	Olean	V R F	O
292	05	MN	Joslyn Manufacturing & Supply Co	Brooklyn Center	V S	
293	03	PA	York County Solid Waste/Refuse Lf	Hopewell Township	V S	O
294	05	WI	Spickler Landfill	Spencer	R	
295	08	CO	Denver Radium Site	Denver	R	I
296	03	PA	Route 940 Drum Dump	Pocono Summit	V S	I
297	04	FL	Tower Chemical Co	Clermont	R F	O
298	03	PA	C & D Recycling	Foster Township	V R	O
299	07	MO	Syntex Facility	Verona	V F	O
300	08	MT	Milltown Reservoir Sediments	Milltown	R	I

Group 7 (HRS Scores 43.75–42.24)

301	05	MN	Arrowhead Refinery Co	Hermantown	R	I
302	10	OR	Martin-Marietta Aluminum Co	The Dalles	V F	
303	08	CO	Uravan Uranium (Union Carbide)	Uravan	D	
304	02	NJ	Pijak Farm	Plumstead Township	V R S	I
305	02	NJ	Syncon Resins	South Kearny	R R	O
306	05	MN	Oak Grove Sanitary Landfill	Oak Grove Township	R	
307	09	CA	Liquid Gold Oil Corp	Richmond	S	
308	09	CA	Purity Oil Sales, Inc	Malaga	R	O
309	01	NH	Tinkham Garage	Londonderry	F S	O
310	04	FL	Alpha Chemical Corp	Galloway	V	
311	02	NJ	Bog Creek Farm	Howell Township	R	
312	01	ME	Saco Tannery Waste Pits	Saco	R	O
313	02	PR	Frontera Creek	Rio Abajo	F	I
314	04	FL	Pickettville Road Landfill	Jacksonville	V F	
315	05	OH	Alisco Anaconda	Gnadenhutten	S	
316	01	MA	Iron Horse Park	Billerica	R	O
317	03	PA	Palmerton Zinc Pile	Palmerton	F	O
318	05	IN	Neal's Landfill (Bloomington)	Bloomington	V F	
319	05	WI	Kohler Co. Landfill	Kohler	V	
320	04	AL	Interstate Lead Co. (ILCO)	Leeds	V R F S	O
321	07	KS	Hydro-Flex Inc	Topeka	D	
322	09	AZ	Hassayampa Landfill	Hassayampa	V	
323	06	LA	Gulf Coast Vacuum Services	Abbeville		
324	05	IL	Tri-County Lf/Waste Mgmt Illinois	South Elgin	R	
325	01	MA	Silresim Chemical Corp	Lowell	R S	O
326	01	MA	Wells G&H	Woburn	V F	
327	01	CT	Nutmeg Valley Road	Wolcott	D	
328	02	NJ	Chemsol, Inc.	Piscataway	V S	
329	05	WI	Lauer I Sanitary Landfill	Menomonee Falls	S	
330	05	MI	Petoskey Municipal Well Field	Petoskey	F	
331	05	MN	Union Scrap Iron & Metal Co	Minneapolis	S	
332	02	NJ	Radiation Technology, Inc	Rockaway Township	V S	
333	02	NJ	Fair Lawn Well Field	Fair Lawn	V S	
334	05	IN	Main Street Well Field	Elkhart	R	
335	05	MN	Lehillier/Mankato Site	Lehillier/Mankato	R R	O
336	10	WA	Lakewood Site	Lakewood	R R	O
337	03	PA	Industrial Lane	Williams Township	R F	
338	05	IN	Fort Wayne Reduction-Dump	Fort Wayne	R R	
339	05	WI	Onalaska Municipal Landfill	Onalaska	R	
340	05	WI	National Presto Industries, Inc	Eau Claire	F	
341	02	NJ	Monroe Township Landfill	Monroe Township	V S	O
342	02	NJ	Rockaway Borough Well Field	Rockaway Township	R	
343	05	IN	Wayne Waste Oil	Columbia City	R F	
344	03	MD	Mid-Atlantic Wood Preservers, Inc	Harmans	V F	
345	10	ID	Pacific Hide & Fur Recycling Co	Pocatello	R F	O
346	07	IA	Des Moines TCE	Des Moines	R	I
347	02	NJ	Beachwood/Berkley Wells	Berkley Township	R	
348	02	NY	Vestal Water Supply Well 4-2	Vestal	V S	I
349	02	PR	Vega Alta Public Supply Wells	Vega Alta	F	
350	05	IL	Southeast Rockford Grnd Wtr Con	Rockford	D	

Group 8 (HRS Scores 42.24–40.37)

351	05	IN	Galen Myers Dump/Drum Salvage	Osceola	R	O
352	05	MI	Sturgis Municipal Wells	Sturgis	R	
353	05	MN	Washington County Landfill	Lake Elmo	S	
354	06	TX	Odessa Chromium #1	Odessa	R	
355	06	TX	Odessa Chromium #2 (Andrews Hgwy)	Odessa	R	
356	07	NE	Hastings Ground Water Contamin	Hastings	R	
357	09	AZ	Indian Bend Wash Area	Scottsdale/Timpe/Phnx	V F	
358	09	CA	San Gabriel Valley (Area 1)	El Monte	R	I

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
359	09	CA	San Gabriel Valley (Area 2)	Baldwin Park Area	R	
360	09	CA	San Fernando Valley (Area 1)	Los Angeles		D
361	09	CA	San Fernando Valley (Area 2)	Los Angeles/Glendale		D
362	09	CA	San Fernando Valley (Area 3)	Glendale		D
363	09	CA	T.H. Agriculture & Nutrition Co.	Fresno		D
364	10	WA	Com Bay, Near Shore/Tide Flats	Pierce County	V R F S	
365	05	IL	LaSalle Electric Utilities	LaSalle	R	
366	05	IL	Cross Brothers Pail (Pembroke)	Pembroke Township	R	
367	04	NC	Jadco-Hughes Facility	Belmont		D
368	05	IN	Southside Sanitary Landfill	Indianapolis	V	
369	02	NJ	Monitor Devices/Intercircuits Inc.	Wall Township	R	
370	02	PR	Upjohn Facility	Barceloneta	V	
371	04	NC	Koppers Co Inc (Morrisville Plant)	Morrisville	F	O
372	09	CA	McColl	Fulterton		D
373	03	PA	Henderson Road	Upper Merion Twp.	R F F	
374	02	NY	Hooker Chemical/Ruco Polymer Corp.	Hicksville	V F F F	
375	10	WA	Colbert Landfill	Colbert	V R F F	
376	06	LA	Petro-Processors of Louisiana Inc.	Scotlandville	V R F F	O
377	02	NY	Applied Environmental Services	Glenwood Landing	V V F F	O
378	02	PR	Barceloneta Landfill	Florida Aftura	V	O
379	01	NH	Tibbets Road	Barrington	R F	O
380	03	MD	Sand, Gravel & Stone	Elkton	V R F F	O
381	03	PA	Delta Quarries/Stotler Landfill	Antis/Logan Twps	V V F F	
382	01	CT	Revere Textile Prints Corp	Sterling		D
383	05	MI	Spartan Chemical Co	Wyoming	V	
384	02	NJ	Roebbing Steel Co	Florence	R R	
385	03	PA	East Mount Zion	Springettsbury Twp.	R R	
386	04	GA	T.H. Agricul & Nutri (Albany)	Albany		D
387	04	TN	Amnicola Dump	Chattanooga	R	
388	02	NJ	Vineland State School	Vineland	V V R S	
389	01	MA	Groveland Wells	Groveland	V V R S	
390	02	NY	General Motors (Cent Foundry Div)	Massena	V R F F	O
391	01	NH	Mottolo Pig Farm	Raymond	V R F F	O
392	04	SC	SCRDI Dixiana	Cayce	R R F F	O
393	05	MI	Roto-Finish Co., Inc.	Kalamazoo	R R F F	O
394	05	MN	Olmsted County Sanitary Landfill	Oronoco	R	
395	07	MO	Quality Plating	Sikeston	R	
396	07	MO	Fulbright Landfill	Springfield	R	
397	02	NJ	Williams Property	Swainton	R F	
398	02	NJ	Renora, Inc.	Edison Township	V R F F	O
399	04	NC	FCX, Inc. (Washington Plant)	Washington		
400	06	NM	Cleveland Mill	Silver City		D

Group 9 (HRS Scores 40.36—38.29)

401	02	NJ	Denzer & Schafer X-Ray Co.	Bayville	V	S	
402	02	NJ	Hercules, Inc. (Gibbstown Plant)	Gibbstown			D
403	05	IN	Ninth Avenue Dump	Gary	R		
404	03	MD	Bush Valley Landfill	Abingdon			D
405	04	SC	Golden Strip Septic Tank Service	Simpsonville			D
406	06	TX	Texarkana Wood Preserving Co.	Texarkana	R		
407	06	AR	Gurley Pit	Edmondson		F F	O
408	04	FL	Petroleum Products Corp.	Pembroke Park	V F F F		O
409	01	RI	Peterson/Puritan, Inc.	Lincoln/Cumberland	V		O
410	07	MO	Times Beach Site	Times Beach	V R		O
411	05	MI	Wash King Laundry	Pleasant Plains Twp.	R		
412	05	MN	Whittaker Corp	Minneapolis	R	S	
413	05	WI	Algoma Municipal Landfill	Algoma			
414	05	MN	NL Industries/Tara Corp/Golden	St. Louis Park	R		
415	09	CA	Westinghouse Elec (Sunnyvale Pit)	Sunnyvale		S	
416	01	CT	Kellogg-Deering Well Field	Norwalk	R		D
417	03	PA	Boathead Farms	Bridgeton Township			D
418	01	MA	Cannon Engineering Corp. (CEC)	Bridgewater	V R F F		
419	05	MI	H. Brown Co., Inc.	Grand Rapids	V R		
420	02	NY	Nepera Chemical Co., Inc.	Maybrook	V	S	
421	02	NY	Niagara County Refuse	Wheatfield			
422	04	FL	Sherwood Medical Industries	Deland	R		D
423	04	AL	Olin Corp. (McIntosh Plant)	McIntosh			D
424	05	MI	Southwest Ottawa County Landfill	Park Township	V	S	
425	02	NY	Kentucky Avenue Well Field	Horseheads	V R R R		O
426	02	NY	Pasley Solvents & Chemicals, Inc.	Hempstead	V V R R		
427	06	TX	Sol Lynn/Industrial Transformers	Houston	V V R R	F S	
428	02	NJ	Asbestos Dump	Millington	V	F F	
429	04	KY	Lee's Lane Landfill	Louisville	V	F F	O
430	06	AR	Frit Industries	Walnut Ridge	V		C

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
431	05	OH	Fultz Landfill	Jackson Township	R	I
432	04	NC	New Hanover Cnty Airport Burn Pit	Wilmington	D	
433	05	OH	Coshocton Landfill	Franklin Township	F	O
434	04	TN	Arlington Blending & Packaging	Arlington	R F	O
435	06	LA	PAB Oil & Chemical Service, Inc.	Abbeville	D	
436	01	RI	Davis (GSR) Landfill	Glocester	S	
437	03	PA	Lord-Shope Landfill	Girard Township	V S	O
438	10	WA	FMC Corp. (Yakima Pitt)	Yakima	F	I
439	05	WI	Northern Engraving Co.	Sparta	V F	
440	06	TX	South Cavalcade Street	Houston	V F	
441	01	MA	PSC Resources	Palmer	S	O
442	05	MI	Forest Waste Products	Otisville	R F	O
443	03	PA	Drake Chemical	Lock Haven	R F	O
444	01	NH	Kearsarge Metallurgical Corp.	Conway	S	
445	04	SC	Palmetto Wood Preserving	Dixiana	R	O
446	05	IL	Peterson Sand & Gravel	Libertyville	R R	
447	05	MI	Clare Water Supply	Clare	R R F	
448	03	PA	Havertown PCP	Haverford	V R F	O
449	03	DE	New Castle Spill	New Castle County	V S	I
450	08	MT	Idaho Pole Co	Bozeman	D	

Group 10 (HRS Scores 38.2-36.88)

451	03	DE	NCR Corp. (Millsboro Plant)	Millsboro	V	S	I
452	05	IN	Lake Sandy Jo (M&M Landfill)	Gary	R		
453	05	IL	Johns-Manville Corp.	Waukegan	F		
454	05	MI	Chem Central	Wyoming Township	S		
455	05	MI	Novaco Industries	Temperance	R		
456	05	MN	Windom Dump	Windom	S		
457	02	NJ	Jackson Township Landfill	Jackson Township	D		O
458	05	IL	NL Industries/Taracorp Lead Smelt	Granite City	V F S		
459	04	KY	Red Penn Sanitation Co. Landfill	Peewee Valley	D		
460	05	MI	K&L Avenue Landfill	Oshkema Township	F		
461	05	OH	TRW, Inc. (Minerva Plant)	Minerva	V S		I
462	10	WA	Kaiser Aluminum Mead Works	Mead	V S		O
463	05	MN	Perham Arsenic Site	Perham	R		O
464	05	MI	Charlevoix Municipal Well	Charlevoix	R R		O
465	02	NJ	Montgomery Township Housing Devel	Montgomery Township	R R		
466	02	NJ	Rocky Hill Municipal Well	Rocky Hill Borough	R R		
467	92	NJ	Cinnaminson Ground Water Contamin	Cinnaminson Township	R R		
468	02	NY	Brewster Well Field	Putnam County	R R		I
469	02	NY	Vestal Water Supply Well 1-1	Vestal	R		I
470	03	PA	Bally Ground Water Contamination	Bally Borough	V F		I
471	04	FL	Wilson Concepts of Florida, Inc.	Pompano Beach	D		
472	04	NC	Bypass 601 Ground Water Contamin	Concord	R		I
473	07	MO	Solid State Circuits, Inc.	Republic	R R F S		O
474	07	NE	Waverly Ground Water Contamin	Waverly	R		O
475	09	CA	Advanced Micro Devices, Inc.	Sunnyvale	V S		O
476	10	WA	Hidden Valley Landfill (Thun Field)	Pierce County	V S		O
477	10	WA	Yakima Plating Co	Yakima	D		
478	05	MN	Nutting Truck & Caster Co	Faribault	S		
479	02	NJ	U.S. Radium Corp.	Orange	R F		
480	05	MI	Carter Industrials, Inc.	Detroit	R		O
481	06	TX	Highlands Acid Pit	Highlands	R		O
482	03	PA	Resin Disposal	Jefferson Borough	V S		O
483	08	MT	Libby Ground Water Contamination	Libby	F		
484	04	KY	Newport Dump	Newport	R		
485	03	PA	Moyers Landfill	Eagleville	R		
486	01	NH	Savage Municipal Water Supply	Milford	F		
487	05	MN	LaGrand Sanitary Landfill	LaGrand Township	S		
488	05	IN	Poor Farm	Hancock County	R F		O
489	03	PA	Brown's Battery Breaking	Shoemakersville	V R F F		O
490	02	NY	SMS Instruments, Inc.	Deer Park	F F		
491	05	MI	Hedblum Industries	Oscoda	F F		
492	06	TX	United Creosoting Co	Conroe	R F F		O
493	02	NY	Byron Barrel & Drum	Byron	R F F		O
494	08	WY	Baxter/Union Pacific Tie Treating	Laramie	V F S		O
495	02	NY	Anchor Chemicals	Hicksville	S S		
496	05	MI	Waste Management-Mich (Holland)	Holland	S		
497	06	TX	North Cavalcade Street	Houston	R		
498	02	NJ	Sayreville Landfill	Sayreville	D		
499	01	NH	Dover Municipal Landfill	Dover	V R F		
500	02	NY	Ludlow Sand & Gravel	Clayville	V R S		

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
Group 11 (HRS Scores 36.84—35.57)						
501	05	WI	City Disposal Corp. Landfill	Dunn	F S	
502	02	NJ	Tabernacle Drum Dump	Tabernacle Township	V R F	O
503	07	MO	Minker/Stout/Romaine Creek	Imperial	R	O
504	04	KY	Howe Valley Landfill	Howe Valley		D
505	01	CT	Yaworski Waste Lagoon	Canterbury	R S	
506	03	WV	Leetown Pesticide	Leetown	V R R	O
507	04	FL	Cabot/Koppers	Gainesville	R F S	O
508	02	NJ	Evor Phillips Leasing	Old Bridge Township	R	
509	03	PA	William Dick Lagoons	West Cahn Township	V	O
510	05	IN	Douglass Road/Uniroyal, Inc., Lf.	Mishawaka		D
511	03	PA	Lackawanna Refuse	Old Forge Borough	R	O
512	06	OK	Compass Industries (Avery Drive)	Tulsa	R	
513	02	NJ	Mannheim Avenue Dump	Galloway Township	V F F S	I
514	05	IN	Neal's Dump (Spencer)	Spencer	R F S	O
515	02	NY	Fulton Terminals	Fulton	V R	O
516	06	LA	Dutchtown Treatment Plant	Ascension Parish	R R	
517	03	PA	Westinghouse Elevator Co. Plant	Gettysburg	V R F	O
518	01	NH	Auburn Road Landfill	Londonderry	R R F S	
519	03	WV	Fike Chemical, Inc.	Nitro	R F	O
520	05	MN	General Mills/Henkel Corp.	Minneapolis	S	
521	04	TN	Wrigley Charcoal Plant	Wrigley	R	O
522	05	OH	Laskin/Poplar Oil Co.	Jefferson Township	V R F	O
523	05	OH	Old Mill	Rock Creek	R	O
524	07	KS	John's Sludge Pond	Wichita	V F	O
525	05	WI	Stoughton City Landfill	Stoughton	R	
526	09	CA	Del Norte Pesticide Storage	Crescent City	R	
527	02	NJ	De Rewal Chemical Co.	Kingwood Township	F	
528	03	PA	Middletown Air Field	Middletown	V R R	O
529	02	NJ	Swope Oil & Chemical Co.	Pennsauken	V R F	O
530	04	GA	Monsanto Corp. (Augusta Plant)	Augusta	V S	O
531	01	NH	South Municipal Water Supply Well	Peterborough	V F F S	O
532	01	ME	Winthrop Landfill	Winthrop	V F F S	O
533	03	WV	Ordnance Works Disposal Areas	Morgantown	F	
534	06	AR	Cecil Lindsey	Newport	R	I
535	05	OH	Zanesville Well Field	Zanesville	V S	
536	02	NY	Suffern Village Well Field	Village of Suffern	R	
537	02	NY	Endicott Village Well Field	Village of Endicott	V R R	I
538	03	PA	Aladdin Plating	Scott Township	R R R	I
539	03	PA	North Penn—Area 1	Souderton	R	
540	03	PA	North Penn—Area 7	North Wales	R R	
541	03	PA	North Penn—Area 6	Lansdale	R R	
542	03	PA	North Penn—Area 5	Montgomery Township	R	
543	04	FL	Harris Corp. (Palm Bay Plant)	Palm Bay	V S	O
544	05	MN	Kummer Sanitary Landfill	Bemidji	R	I
545	05	OH	Sanitary Landfill Co. (IWD)	Dayton	F	
546	05	WI	Eau Claire Municipal Well Field	Eau Claire	R R	
547	07	MO	Valley Park TCE	Valley Park	R	I
548	09	CA	San Fernando Valley (Area 4)	Los Angeles		D
549	09	CA	Monolithic Memories	Sunnyvale	V S	
550	09	CA	National Semiconductor Corp.	Santa Clara	V S	

Group 12 (HRS Scores 35.57—34.47)

551	09	CA	Newmark Ground Water Contamin	San Bernardino		D
552	04	GA	Powersville Site	Peach County	R F	
553	05	MI	Grand Traverse Overall Supply Co.	Grellickville	F	
554	05	MI	Metamora Landfill	Metamora	R	
555	05	MI	Whitehall Municipal Wells	Whitehall	R	
556	03	DE	Standard Chlorine of Delaware, Inc.	Delaware City	V S	I
557	05	MN	South Andover Site	Andover	R F	O
558	02	NJ	Diamond Alkali Co.	Newark	V R F S	O
559	05	IN	Carter Lee Lumber Co.	Indianapolis		D
560	01	NH	Fletcher's Paint Works & Storage	Milford	R	O
561	03	VA	Avtex Fibers, Inc.	Front Royal	V F	
562	05	MI	Kentwood Landfill	Kentwood	V F	
563	05	MI	Electrovoice	Buchanan	R	
564	02	NY	Katonah Municipal Well	Town of Bedford	R	O
565	09	CA	Teledyne Semiconductor	Mountain View		D
566	02	PR	Fibers Public Supply Wells	Jobos	V F	
567	05	IN	Marion (Bragg) Dump	Marion	R R	
568	05	OH	Pristine, Inc.	Reading	R F	I
569	05	WI	Mid-State Disposal, Inc. Landfill	Cleveland Township	R	

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
570	04	TN	American Creosote (Jackson Plant)	Jackson	V R	O
571	08	CO	Broderick Wood Products	Denver	V F	
572	02	NY	C & J Disposal Leasing Co. Dump	Hamilton	V R F D	
573	05	OH	Buckeye Reclamation	St. Clairsville	V F	I
574	02	NY	Preferred Plating Corp.	Farmingdale	V R R F	C
575	06	TX	Bio-Ecology Systems, Inc.	Grand Prairie	V R R F	I
576	08	UT	Monticello Rad Contaminated Props.	Monticello	V R R F S	
577	02	NJ	Woodland Route 532 Dump	Woodland Township	V R R F S	
578	05	IN	American Chemical Service, Inc.	Griffith	V R F	
579	01	MA	Salem Acres	Salem	V V R	
580	02	NY	Richardson Hill Road Lndfil/Pond	Sidney Center	V V R F	
581	01	VT	Old Springfield Landfill	Springfield	V V F F	O
582	02	NY	Solvent Savers	Lincklaen	V F F F	
583	03	VA	U.S. Titanium	Piney River	V F F S	O
584	05	IL	Galesburg/Koppers Co.	Galesburg	V F F S S	
585	02	NY	Hooker (Hyde Park)	Niagara Falls	V F S S	
586	05	MI	SCA Independent Landfill	Muskegon Heights	V F S S	
587	02	NY	Action Anodizing, Plating Polish	Copague	V F S D	
588	09	CA	MGM Brakes	Cloverdale	V F S	
589	06	LA	Bayou Sorrel Site	Bayou Sorrel	V F S	I
590	05	MI	Duell & Gardner Landfill	Dalton Township	V R F S	
591	10	WA	Mica Landfill	Mica	V R F S	
592	02	NJ	Ellis Property	Evesham Township	V R F S	O
593	04	KY	Distler Farm	Jafferson County	V R F S	O
594	09	CA	Waste Disposal, Inc.	Santa Fe Springs	V R F S D	
595	10	WA	Harbor Island (Lead)	Seattle	V R F S	
596	05	WI	Lemberger Transport & Recycling	Franklin Township	V R F S	
597	05	OH	E.H. Schilling Landfill	Hamilton Township	V R F S	I
598	05	MI	Cliff/Dow Dump	Marquette	V R F S	
599	02	NY	Clothier Disposal	Town of Granby	V R F S	I
600	03	PA	Ambler Asbestos Piles	Ambler	V R F S	O

Group 13 (HRS Scores 34.38—33.62)

601	10	WA	Queen City Farms	Maple Valley	V V F S	O
602	02	NJ	Curcio Scrap Metal, Inc.	Saddle Brook Twp.	V V R F F	
603	03	VA	L.A. Clarke & Son	Spotsylvania County	V R F S	
604	05	WI	Scrap Processing Co., Inc.	Medford	V R F S	O
605	03	MD	Southern Maryland Wood Treating	Hollywood	V R F S	O
606	06	NM	Homestake Mining Co.	Milan	V R F S	O
607	09	CA	Beckman Instruments (Porterville)	Porterville	V R F S D	
608	04	FL	Dubose Oil Products CO	Cantonment	V R F S	O
609	05	MI	Mason County Landfill	Pere Marquette Twp	V R F S	
610	05	MI	Cemetery Dump	Rose Center	V R R F	
611	07	IA	Red Oak City Landfill	Red Oak	V R R F	I
612	05	IN	Lakeland Disposal Service, Inc.	Claypool	V R F S D	
613	02	NJ	Hopkins Farm	Plumstead Township	V R F S	O
614	04	NC	Cape Fear Wood Preserving	Fayetteville	V R F S	
615	01	RI	Stamina Mills, Inc.	North Smithfield	V R F S D	
616	05	WI	Lemberger Landfill, Inc.	Whitelaw	V R F S	
617	05	IN	Reilly Tar (Indianapolis Plant)	Indianapolis	V R F S	
618	01	ME	Pinette's Salvage Yard	Washburn	V R F S	O
619	02	NJ	Wilson Farm	Plumstead Township	V R F S	
620	02	NY	Conklin Dumps	Conklin	V R F S D	
621	03	PA	Old City of York Landfill	Seven Valleys	V R F S	I
622	03	PA	Modern Sanitation Landfill	Lower Windsor Twp	V R F S	I
623	05	IL	Byron Salvage Yard	Byron	V R F S	I
624	05	MI	North Bronson Industrial Area	Bronson	V R F S	
625	03	PA	Stanley Kessler	King of Prussia	V R F S	O
626	02	NJ	Imperial Oil/Champion Chemicals	Morganville	V R F S	
627	02	NJ	Cosden Chemical Coatings Corp.	Beverly	V R F S D	O
628	05	MN	St. Augusta San Lndfil/Engen Dump	St. Augusta Township	V R F S	O
629	02	NJ	Myers Property	Franklin Township	V R F S	O
630	02	NJ	Pepé Field	Boonton	V R F S	
631	04	KY	Tri-City Disposal Co.	Shepherdsville	V R F S	O
632	10	WA	Northwest Transformer	Everson	V R F S	O
633	02	NY	Genzale Plating Co.	Franklin Square	V R F S	
634	05	WI	Sheboygan Harbor & River	Sheboygan	V R F S	
635	05	MI	Ossineke Ground Water Contamin	Ossineke	V R F S	
636	03	WV	Follansbee Site	Follansbee	V R F S	I
637	03	PA	Keystone Sanitation Landfill	Union Township	V R F S	O
638	04	NC	Carolina Transformer Co.	Fayetteville	V R F S	O
639	02	NY	North Sea Municipal Landfill	North Sea	V R F S	O
640	03	PA	Bendix Flight Systems Division	Bridgewater Township	V R F S	O

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
641	09	CA	Koppers Co Inc (Oroville Plant)	Oroville	S	
642	09	CA	Louisiana-Pacific Corp.	Oroville	D	
643	03	VA	H & H Inc., Burn Pit	Farrington	R	
644	05	MI	South Macomb Disposal (Lf 9 & 9A)	Macomb Township	F	
645	05	MI	U.S. Aviox	Howard Township	V F	
646	03	PA	Walsh Landfill	Honeybrook Township	R F	O
647	02	NJ	Landfill & Development Co.	Mount Holly	S	
648	02	NJ	Upper Deerfield Township San Lndf	Upper Deerfield Twp	R F	
649	02	NY	Hertel Landfill	Plattekill	R	
650	02	NY	Haviland Complex	Town of Hyde Park	R	

Group 14 (HRS Scores 33.62-32.04)

651	02	NY	Malta Rocket Fuel Area	Malta	D	
652	04	GA	Cedartown Municipal Landfill	Cedartown	D	
653	05	MI	Kent City Mobile Home Park	Kent City	F	
654	05	MN	Adrian Municipal Well Field	Adrian	R	
655	06	NM	AT & SF (Clovis)	Clovis	V F	
656	07	KS	Strother Field Industrial Park	Cowley County	V S	O
657	07	KS	Obee Road	Hutchinson	D	
658	02	NJ	Fried Industries	East Brunswick Twp	R	O
659	02	NY	American Thermostat Co.	South Cairo	V R S	I
660	08	ND	Minot Landfill	Minot	D	
661	04	TN	Lewisburg Dump	Lewisburg	V	
662	05	MI	McGraw Edison Corp.	Albion	V S	
663	02	NY	Goldisc Recordings, Inc.	Holbrook	V S	
664	02	NY	Islip Municipal Sanitary Landfill	Islip	V S	
665	04	KY	Airco	Calvert City	V	I
666	03	PA	Metal Banks	Philadelphia	V F	O
667	05	IL	Yeoman Creek Landfill	Waukegan	D	
668	02	NY	Samney Farm	Amenia	R F	
669	05	MI	Folkertsma Refuse	Grand Rapids	D	
670	01	MA	Rose Disposal Pit	Lanesboro	V F S	
671	05	OH	Van Dale Junkyard	Marietta	F	
672	08	MT	Montana Pole and Treating	Butte	R	I
673	04	KY	B.F. Goodrich	Calvert City	V	
674	05	MI	Organic Chemicals, Inc.	Grandville	S	
675	02	NY	BioClinical Laboratories, Inc.	Bohemia	D	
676	02	NY	Volney Municipal Landfill	Town of Volney	V R S	O
677	02	NY	FMC Corp. (Dublin Road Landfill)	Town of Shelby	V S	
678	05	WI	Tomah Fairgrounds	Tomah	R	
679	01	MA	Sullivan's Ledge	New Bedford	R R F	
680	04	KY	Smith's Farm	Brooks	R	O
681	10	OR	Joseph Forest Products	Joseph	D	
682	02	PR	Juncos Landfill	Juncos	V F	O
683	07	KS	Big River Sand Co	Wichita	R	O
684	05	IN	Bennett Stone Quarry	Bloomington	V F	O
685	10	WA	Wyckoff Co./Eagle Harbor	Bainbridge Island	F	
686	02	NJ	Industrial Latex Corp	Wallington Borough	R	O
687	04	FL	Munisport Landfill	North Miami	F	
688	04	AL	Stauffer Chem (LeMoyné Plant)	Axis	V	
689	02	NJ	M&T Delisa Landfill	Asbury Park	V F	
690	06	TX	Crystal City Airport	Crystal City	R R	O
691	04	SC	Geiger (C & M Oil)	Rantoul	R	
692	05	WI	Moss-American (Kerr-McGee Oil Co.)	Milwaukee	R F	
693	05	WI	Waste Research & Reclamation Co	Eau Claire	S	
694	10	OR	Gould, Inc	Portland	V F	
695	02	NY	Corfese Landfill	Vil of Narrowsburg	V S	
696	05	MN	St. Louis River Site	St. Louis County	R	I
697	05	MI	Auto Ion Chemicals, Inc.	Kalamazoo	V F	O
698	05	WI	Hagen Farm	Stoughton	S	
699	04	SC	Carolawn, Inc.	Fort Lawn	V R F	O
700	07	IA	Midwest Manufacturing/North Farm	Kellogg	R	I

Group 15 (HRS Scores 32.02-31.02)

701	03	PA	Berks Sand Pit	Longswamp Township	R	O
702	09	CA	Valley Wood Preserving, Inc	Turlock	V S	
703	03	PA	Butz Landfill	Stroudsburg	D	
704	05	MI	Sparta Landfill	Sparta Township	S	
705	05	IL	Acme Solvent (Morristown Plant)	Morristown	V R	I
706	01	NH	Hofton Circle Ground Water Contam	Londonderry	D	
707	02	NJ	Pomona Oaks Residential Wells	Galloway Township	R	O
708	02	NY	Rowe Industries Ground Water Cont	Noyack/Sag Harbor	V R F	O

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg	St	Site Name	City/County	Response Category ¹	Cleanup Status ²
709	03	PA	Hebeika Auto Salvage Yard.....	Weisenberg Township.....	R	
710	04	FL	Hipps Road Landfill.....	Duval County.....	V R F	O
711	05	MN	Long Prairie Ground Water Contam.....	Long Prairie.....	R R	
712	05	MN	Waite Park Wells.....	Waite Park.....	R	
713	09	CA	Applied Materials.....	Santa Clara.....	V S	O
714	09	CA	Intel Magnetics.....	Santa Clara.....	V S	
715	09	CA	Intel Corp. (Santa Clara III).....	Santa Clara.....	V S	I
716	04	FL	Pepper Steel & Alloys, Inc.....	Medley.....	R F	O
717	02	NY	Mattiace Petrochemical Co., Inc.....	Glen Cove.....	R R	O
718	01	ME	O'Connor Co.....	Augusta.....	V R R	
719	05	WI	Oconomowoc Electroplating Co. Inc.....	Ashippin.....	R	
720	05	IN	Continental Steel Corp.....	Kokomo.....		D
721	05	MI	Rasmussen's Dump.....	Green Oak Township.....	R	O
722	02	NY	Kenmark Textile Corp.....	Farmingdale.....	V S	O
723	03	PA	Westline Site.....	Westline.....	R R	O
724	04	KY	Maxey Flats Nuclear Disposal.....	Hillsboro.....	V R F S	
725	08	MT	Mouat Industries.....	Columbus.....		D
726	05	MI	J&L Landfill.....	Rochester Hills.....	R	
727	02	NY	Claremont Polychemical.....	Old Bathpage.....	V S	
728	05	OH	Powell Road Landfill.....	Dayton.....	R R	I
729	03	PA	Croydon TCE.....	Croydon.....	R R	
730	04	SC	Medley Farm Drum Dump.....	Medley.....	V R F	O
731	04	SC	Elmore Waste Disposal.....	Greer.....	R R	O
732	07	IA	Vogel Paint & Wax Co.....	Orange City.....		I
733	05	MN	Kurt Manufacturing Co.....	Fridley.....	S	O
734	05	MI	Parsons Chemical Works, Inc.....	Grand Ledge.....		D
735	03	PA	Revere Chemical Co.....	Nockamixon Township.....	R	O
736	05	MI	Ionia City Landfill.....	Ionia.....	V F	I
737	06	TX	Koppers Co Inc (Texarkana Plant).....	Texarkana.....	V F	
738	08	CO	Lincoln Park.....	Canon City.....	V F	
739	08	CO	Smuggler Mountain.....	Pitkin County.....	V F	
740	05	IN	Wedzeb Enterprises, Inc.....	Lebanon.....	V F S	I
741	02	PR	GE Wiring Devices.....	Juana Diaz.....	V F	
742	05	MI	Avenue "E" Ground Water Contamin.....	Traverse City.....	S	
743	05	OH	New Lyme Landfill.....	New Lyme.....	R	
744	02	NJ	Woodland Route 72 Dump.....	Woodland Township.....	V R S	
745	02	PR	RCA Del Caribe.....	Barceloneta.....	V F	
746	05	MN	Koch Refining Co./N-Ren Corp.....	Pine Bend.....	V S	
747	03	PA	Brodhead Creek.....	Stroudsburg.....	V R F S	O
748	05	WI	Fadowski Drum Disposal.....	Franklin.....	F	
749	10	OR	United Chrome Products, Inc.....	Corvallis.....	R	O
750	05	MI	Anderson Development Co.....	Adrian.....	R	

Group 16 (HRS Scores 31.02-29.78)

751	05	WI	Hunts Disposal Landfill.....	Caledonia.....	F	
752	05	MI	Shiawassee River.....	Howell.....	R	
753	06	OK	Tenth Street Dump/Junkyard.....	Oklahoma City.....	R R F	O
754	10	AK	Alaska Battery Enterprises.....	Fairbanks N Star Bor.....	R R	I
755	03	PA	Taylor Borough Dump.....	Taylor Borough.....	R F	C
756	03	DE	Haltby Chemical Co.....	New Castle.....	R F	
757	06	OK	Double Eagle Refinery Co.....	Oklahoma City.....		D
758	04	GA	Mathis Bros Lf (S Marble Top Rd).....	Kensington.....	V R	O
759	03	DE	Harvey & Knott Drum, Inc.....	Kirkwood.....	R	O
760	04	TN	Galloway Pits.....	Galloway.....	R F	
761	05	OH	Big D Campground.....	Kingsville.....	R F	I
762	06	AR	Midland Products.....	Ota/Birta.....	R	
763	02	NY	Robintech, Inc./National Pipe Co.....	Town of Vestal.....	V R F	
764	02	NY	BEC Trucking.....	Town of Vestal.....	F	
765	03	PA	Strasburg Landfill.....	Newlin Township.....	S	O
766	06	OK	Fourth Street Abandoned Refinery.....	Oklahoma City.....		D
767	05	WI	Tomah Armory.....	Tomah.....	R	
768	03	DE	Wildcat Landfill.....	Dover.....	R R	O
769	05	MI	Burrows Sanitation.....	Hartford.....	V R	O
770	03	PA	Blosenski Landfill.....	West Cain Township.....	R F	I
771	03	VA	Rhinehart Tire Fire Dump.....	Frederick County.....	V R F	O
772	03	DE	Delaware City PVC Plant.....	Delaware City.....	V R F	O
773	03	MD	Limestone Road.....	Cumberland.....	V R	O
774	02	NY	Hooker (102nd Street).....	Niagara Falls.....	V F S	
775	02	NJ	Higgins Farm.....	Franklin Township.....	V R	O
776	06	NM	United Nuclear Corp.....	Church Rock.....	V F	I
777	03	PA	Reeser's Landfill.....	Upper Macungie Twp.....	V R	
778	03	VA	Rentokil, Inc. (VA Wood Pres Div).....	Richmond.....	V F	
779	06	AR	Industrial Waste Control.....	Fort Smith.....	F	

APPENDIX B.—NATIONAL PRIORITIES LIST (BY RANK) MARCH 1989—Continued

NPL Rank	EPA Reg.	St.	Site Name	City/County	Response Category ¹	Cleanup Status ²
780	09	CA	Celtor Chemical Works	Hoopa	R	O
781	01	MA	Haverhill Municipal Landfill	Haverhill		D
782	04	AL	Perdido Ground Water Contamin.	Perdido	V	O
783	02	NY	Marathon Battery Corp.	Cold Springs	R	
784	02	NY	Colesville Municipal Landfill	Town of Colesville	V	S
785	04	FL	Yellow Water Road Dump	Baldwin	V	R F
786	05	OH	Skinner Landfill	West Chester	R	
787	03	VA	First Piedmont Quarry (Route 719)	Pittsylvania County	R	D
788	04	NC	Chemtronics, Inc.	Swannanoa	V	R F F
789	05	IN	MIDCO II	Gary	V	R F F
790	06	TX	Sheridan Disposal Services	Hempstead	V	R F F
791	07	KS	Pester Refinery Co.	El Dorado		S
792	03	MD	Kane & Lombard Street Drums	Baltimore	R	F
793	07	MO	Shenandoah Stables	Moscow Mills		
794	07	IA	Shaw Avenue Dump	Charles City	V	
795	03	PA	Berkley Products Co. Dump	Denver		D
796	10	WA	Silver Mountain Mine	Loomis	R	
797	06	TX	Petro-Chemical (Turtle Bayou)	Liberty County	R	
798	05	OH	Republic Steel Corp. Quarry	Elyria	R	F
799	05	MN	Ritari Post & Pole	Sebekka	R	
800	06	LA	Bayou Bonfouca	Slidell	R	F

Group 17 (HRS Scores 29.76-28.50, except for health-advisory sites)

801	09	CA	Intel Corp. (Mountain View Plant)	Mountain View	V	F	
802	09	CA	Raytheon Corp.	Mountain View		F	
803	05	MN	Agate Lake Scrapyard	Fairview Township	R		I
804	05	MI	Adam's Plating	Lansing			D
805	06	AR	Jacksonville Municipal Landfill	Jacksonville	R		
806	06	AR	Rogers Road Municipal Landfill	Jacksonville	R		
807	03	VA	Saltville Waste Disposal Ponds	Saltville	V	R	S
808	04	SC	Palmetto Recycling, Inc.	Columbia			S
809	01	MA	Shpack Landfill	Norton/Attleboro			D
810	03	PA	Kimberton Site	Kimberton Borough	V		S
811	01	MA	Norwood PCBs	Norwood	R		
812	02	NY	Warwick Landfill	Warwick			D
813	02	NY	Sidney Landfill	Sidney			D
814	10	WA	Pesticide Lab (Yakima)	Yakima			D
815	05	IN	Lemon Lane Landfill	Bloomington	V	F	
816	05	IN	Tri-State Plating	Columbus		R	
817	10	ID	Arccom (Drexler Enterprises)	Rathdrum	R		
818	01	NH	Coakley Landfill	North Hampton	V	R	S
819	04	NC	Potter's Septic Tank Service Pits	Macon	R		
820	04	NC	ABC One Hour Cleaners	Jacksonville			D
821	03	PA	Fischer & Porter Co.	Warminster	V	F	
822	03	PA	Elizabethtown Landfill	Elizabethtown			D
823	06	AR	Arkwood, Inc.	Omaha	V	F	S
824	09	CA	Jibboom Junkyard	Sacramento		R	
825	02	NJ	A.O. Polymer	Sparta Township	R		
826	05	WI	Wausau Ground Water Contamination	Wausau	R		
827	02	NJ	Dover Municipal Well 4	Dover Township	R		
828	02	NJ	Rockaway Township Wells	Rockaway			D
829	02	NJ	Pohatcong Valley Ground Water Con.	Warren County			D
830	02	NJ	Garden State Cleaners Co.	Minotola			D
831	05	WI	Delavan Municipal Well #4	Delavan		S	
832	07	MO	North-U Drive Well Contamination	Springfield	R		
833	09	CA	San Gabriel Valley (Area 3)	Alhambra	R		
834	09	CA	San Gabriel Valley (Area 4)	La Puente	R		
835	09	CA	Modesto Ground Water Contamin.	Modesto			D
836	10	WA	American Lake Gardens	Tacoma	V	R F	
837	10	WA	Greenacres Landfill	Spokane County	V	R R	
838	10	WA	Northside Landfill	Spokane	V	R F F	
839	06	OK	Sand Springs Petrochemical Cmplx.	Sand Springs	R	F	
840	06	TX	Pesses Chemical Co.	Fort Worth	R	F	
841	05	MN	East Bethel Demolition Landfill	East Bethel Township			S
842	06	TX	Triangle Chemical Co.	Bridge City	R		
843	02	NJ	PJP Landfill	Jersey City	R		S
844	03	PA	Craig Farm Drum	Parker	V		S
845	03	PA	Voortman Farm	Upper Saucon Twp	R		
846	05	IL	Belvidere Municipal Landfill	Belvidere	R		
847	07	MO	Bee Cee Manufacturing Co.	Malden	R		
848	02	NJ	Kauffman & Minter, Inc.	Jobstown			D
849	03	PA	Lansdowne Radiation Site	Lansdowne	R		

Number of NPL Sites: 849.

* = State top priority site.

¹ V = Voluntary or negotiated response R = Federal and State response. F = Federal enforcement S = State enforcement. D = Category to be determined.
² I = Implementation activity underway, one or more operable units O = One or more operable units completed; others may be underway C = Implementation activity completed for all operable units.

[FR Doc. 89-7419 Filed 3-30-89; 8:45 am]

BILLING CODE 6560-50

1

0

0